

BESTWALL GYPSUM COMPANY

September 15, 1959
Paoli Laboratory
Cancelled Formula

J. R. Watt - bg

Messrs. A. H. Ten Elshof - Grand Rapids
E. R. Skopal - Ardmore Cost
J. I. Trolley - Ardmore Purch.
A. O. Graves - Ardmore Patent
O. F. Grieve - Paoli Mfg.
Paoli Gypsum Lab.

THIS COPY FOR

Please remove the following Grand Rapids, Michigan plant formulas
from your Gypsum Formula Book:

GR-190 - Joint Filler
GR 191 - Joint Filler

CANCEL
CANCEL

Please acknowledge receipt by returning the attached tear sheet.

April 14, 1969

GEORGIA-PACIFIC CORPORATION

Gypsum Division

*Copies given to:
office
Sterling Clark
Gerald*

TO:

Mr. K. W. Brown - Acme
Mr. D. C. Corkill - Atlanta
Mr. J. C. Julian - Omaha
Mr. A. J. Petraline - Rosemont
Mr. J. Van - Portland
Mr. T. W. Mayberry - Portland
Mr. J. I. Trolley - Portland
Tigard Laboratory

THIS COPY FOR

Enclosed please find the following Acme, Texas plant formulas:

✓ TEX-901	-	TRIPLE DUTY JOINT COMPOUND	Revised
✓ TEX-902	-	JOINT COMPOUND	Revised
✓ TEX-903	-	TRIPLE DUTY JOINT SYSTEM COMPOUND	Revised
✓ TEX-905	-	JOINT COMPOUND	Revised
✓ TEX-905CG	-	JOINT COMPOUND	Revised
✓ TEX-926	-	BEDDING COMPOUND	Revised
✓ TEX-933	-	TOPPING COMPOUND	Revised
✓ TEX-934	-	TOPPING COMPOUND	Revised
✓ TEX-938	-	TOPPING COMPOUND (WHITE WESTERN)	Revised
✓ TEX-942	-	BESTEX TEXTURE (PLAIN) BESTEX A	Revised
✓ TEX-946	-	BESTEX TEXTURE (SAND FINISH) BESTEX B	Revised
✓ TEX-948	-	BESTEX TEXTURE (SIMULATED ACCOUSTIC) C	Revised
✓ TEX-952	-	ALL PURPOSE COMPOUND	Revised
✓ TEX-953	-	ALL PURPOSE COMPOUND	Revised
✓ TEX-954	-	ALL PURPOSE COMPOUND	Revised
✓ TEX-970	-	READY MIX FILLER (FILLER X)	Revised

Please sign the attached tear sheet and return to Tigard.

SGP 0018420

Done
7/7
210

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

July 7, 1970

TO:
Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. Copeland - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. J. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Following is the cancelled Acme, Texas plant formulas, please remove these formulas from your books.

TEX-901	Triple Duty Joint System Compound	CANCELLED
TEX-903	Triple Duty Joint System Compound	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018421

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

TO:

Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. A. Copeland - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. J. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Jack 9/27
GB
LW
Bill Spencer

Enclosed please find the following Acme, Texas plant formula changes:

✓ TEX-902	Triple Duty Joint System Compound - Central Mix	NEW
✓ TEX-904	Triple Duty Joint System Compound - Central Mix	NEW
✓ TEX-927	Bedding Compound	NEW
✓ TEX-931	Topping Compound	Revised
✓ TEX-932	Topping Compound	Revised
✓ TEX-954	All Purpose Compound (Yellow)	Revised
✓ TEX-955	All Purpose and Compound White	NEW
✓ TEX-972	Ready Mix Filler (Filler "X")	Revised
✓ TEX-991	Speed Set Joint Compound White	Revised
✓ TEX-993	Speed Set Joint Compound (Yellow)	Revised

Please sign and return the attached tear sheet.

SGP 0018422

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

July 9, 1970

TO:

Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. Copeland - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. J. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formula changes:

TEX-952	All Purpose Joint Compound	Revised
TEX-971	Ready Mix Filler (Filler "Y")	Revised
TEX-976	Ready Mix Joint Compound (Machine Tools)	NEW
TEX-905	Joint Compound	CANCELLED
TEX-953	All Purpose Compound	CANCELLED
TEX-972	Ready Mix Filler (Filler "X")	CANCELLED
TEX-973	Ready Mix Joint Compound (Hand Tools)	
	(Ready Mix "X")	CANCELLED
TEX-974	Ready Mix Joint Compound (Machine Tools)	
	(Ready Mix "X")	CANCELLED

CANCELLED formulas - remove from your books please.

Sign and return the attached tear sheet please.

SGP 0018423

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

Handwritten:
Dave
EW
LU
Dawson

November 9, 1972

To:
Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Laboratory

Enclosed please find the following Acme, Texas, plant formulas:

TEX-903	CENTRAL MIX JOINT SYSTEM COMPOUND	REVISED
TEX-944	G-P TEXTURE NON-AGGREGATED	"

997

Please sign and return the attached tear sheet.

SGP 0018424

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

December 5, 1972

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaele - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Mr. J. Van - Portland
Tigard Lab

THIS COPY FOR 2

Enclosed please find the following Acme, Texas, plant formulas:

TEX-903	CENTRAL MIX JOINT SYSTEM	REVISED
TEX-940	GP CEILING TEXTURE (MEDIUM)	REVISED
TEX-941	GP CEILING TEXTURE (COARSE)	REVISED
TEX-948	GP CEILING TEXTURE	REVISED
TEX-949	GP CEILING TEXTURE	REVISED

Please sign and return the attached tear sheet.

SGP 0018425

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 14, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Laboratory

THIS COPY FOR

Handwritten: Dan Lloyd

Enclosed please find the following Acme, Texas, plant formula:

TEX-909 TRIPLE DUTY JOINT COMPOUND NEW

Please cancel the following Acme, Texas, plant formulas by removing them from your book:

TEX-902 TRIPLE DUTY JOINT SYSTEM COMPOUND CANCELLED
TEX-904 TRIPLE DUTY JOINT SYSTEM COMPOUND CANCELLED

Please sign and return the attached tear sheet

SGP 0018426

Er J
Lloyd

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

March 17, 1971

TO:

Mr. F. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. L. Copeland - Portland
Mr. J. Van - Portland
Mr. W. C. Corkill - Marietta
Mr. P. W. Larson - Fort Dodge
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the following Acme, Texas, plant formulas:

TEX-927	Bedding Compound	Canceled
TEX-925	Bedding Compound	NEW
TEX-904	Triple Duty Joint System Compound	Revised
TEX-903	Central Mix Joint System Compound	NEW
TEX-902	Triple Duty Joint System Compound	Revised

Please sign and return the attached tear sheet.

SGP 0018427

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

January 28, 1972

THIS COPY FOR 2

TO:
Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Handwritten: Acme
Handwritten: ELL
Handwritten: JLV

Enclosed please find the following Acme, Texas, plant formula revisions:

TEX-903	Central Mix Joint System Compound	Revised
TEX-992	Speed Set Joint Compound White	Revised
TEX-995	Speed Set Joint Compound White	Revised
TEX-997	Speed Set Joint Compound White	Revised
991	Speed Set	Revised

Please sign and return the attached tear sheet.

SGP 0018428

GEORGIA-PACIFIC CORPORATION

May 6, 1969

Gypsum Division
Tigard, Oregon

TO:

Mr. K. W. Brown - Acme
Mr. J. I. Trolley - Portland
Mr. J. Van - Portland
Mr. T. W. Mayberry - Portland
Mr. D. C. Corkill - Marietta
Mr. J. C. Julian - Omaha
Mr. A. J. Petraline - Rosemont
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas Cancellations.

TEX - 902 - Joint Compound	Cancel
TEX - 938 - Topping Compound (White Western)	Cancel
TEX - 952 - All Purpose Compound	Cancel
TEX - 954 - All Purpose Compound Special for Kansas City	Cancel
TEX - 984 - Laminating Compound	Cancel

Please sign the attached tear sheet and return to Tigard.

SGP 0018429

**GEORGIA-PACIFIC**

INTERDEPARTMENTAL COMMUNICATION

TO: Mr. T. W. Richards

FROM: E. D. O'Neill

DATE: May 2, 1969

LOCATION: Portland

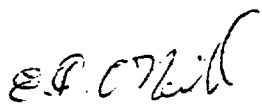
LOCATION: Tigard

SUBJECT: GYPSUM BASED READY MIX CEMENTS

cc: Mr. J. B. Moss - Tigard
Mr. J. R. Watt - Tigard
Mr. K. W. Brown - Acme
Mr. A. Sanchez - Portland
Mr. C. W. Lehnert - Tigard
Mr. J. Van - Portland
Mr. J. I. Trolley - Portland

THIS COPY FOR

Attached is the proposed formulation for the gypsum based Ready Mix cements and provisional specifications for ground land plaster.


E. D. O'N.

EDON:kgc
Attachment-3 sheets

C
O
P
Y

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

September 25, 1972

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Tigard Laboratory

Enclosed please find the following Acme, Texas, plant formula revisions:

TEX-971	READY MIX JOINT COMPOUND	Revised
TEX-970	READY MIX JOINT COMPOUND	Revised

Please cancel the following Acme, Texas, plant formulas by removing them from your formula book:

TEX-977	READY MIX JOINT COMPOUND	CANCELLED
TEX-978	READY MIX FILLER	CANCELLED
TEX-979	READY MIX JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

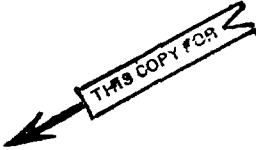
SGP 0018431

Lloyd

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

JULY 6, 1972

TO:



Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Tigard Lab

Please note the following Acme, Texas, plant formulas and revisions:

TEX 970	Ready Mix Joint Compound	Revised
TEX 971	Ready Mix Joint Compound	Revised
TEX 976	Ready Mix Filler	NEW
TEX 977	Ready Mix Joint Compound	NEW
TEX 978	Ready Mix Filler	NEW
TEX 979	Ready Mix Joint Compound	NEW

Please cancel the following Acme, Texas, formulas by removing from formula book.

TEX-972, 973, 974, and 975

PLEASE SIGN AND RETURN THE ATTACHED TEAR SHEET.

SGP 0018432

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

August 25, 1972

TO:

Mr. K. W. Brown - Acme ~~TEX~~ ~~THIS COPY FOR~~
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Tigard Laboratory

Please find the attached Acme, Texas, plant formula revisions:

TEX 970	Ready Mix Joint Compound	Revised
TEX 977	Ready Mix Joint Compound	Revised
TEX 979	Ready Mix Joint Compound	Revised
TEX 971	Ready Mix Joint Compound	Revised

Please sign and return the attached tear sheet.

SGP 0018433

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

TO:

Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. T. W. Mayberry - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. P. W. Larson - Fort Dodge
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Jack
JP
LW
Do not know if office has a copy

Enclosed please find the following Acme, Texas plant formula and cancellations:

✓ TEX-956	All Purpose Bedding and Central Mix Compound (Yellow)	New
TEX-977-Y	Ready Mix Joint Compound (Hand Tools) (Ready Mix "X")	Cancelled
TEX-978-Y	Ready Mix Joint Compound (Machine Tools) (Ready Mix "X")	Cancelled
TEX-978	Ready Mix Joint Compound (Machine Tools) (Ready Mix "X")	Cancelled
TEX-977	Ready Mix Joint Compound (Hand Tools) (Ready Mix "X")	Cancelled
TEX-970	Ready Mix Filler (Filler "X")	Cancelled

Please sign and return the attached tear sheet.

SGP 0018434

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 22, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Mr. G. F. Fowler - Marietta
Tigard Lab

Enclosed please find the following Acme plant formulas:

TEX-979	READY MIX JOINT COMPOUND	REVISED
TEX-978	READY MIX JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet

SGP 0018435

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

JB
LW

June 17, 19

TO:

Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. A. Copeland - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. C. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formula change.

TEX-946

Bestex Texture (Sand Finish) Bestex B

Re

Please sign and return the attached tear sheet.

SGP 0018436

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

May 17, 1972

TO:

Mr. K. W. Brown - Acme ←
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Mr. J. B. Moss - Wilmington
Tigard Laboratory

Enclosed please find the following Acme, Texas, plant formula revisions:

TEX-946	G-P Ceiling Texture (Fine Perlite)	Revised
TEX-947	G-P Ceiling Texture (Polystyrene)	NEW
TEX-973	Ready Mix Filler (Filler "X")	Revised
TEX-974	Ready Mix Joint Compound (Hand Tools)	"
TEX-975	Ready Mix Joint Compound (Machine Tools)	"

Please sign and return the attached tear sheet.

SGP 0018437

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

March 22, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

*David
Sancti
Hoyd = Let me know
when Clark starts
using new 932 + 925*

Enclosed please find the following Acme, Texas, plant formulas:

TEX-932	TOPPING COMPOUND	REVISED
TEX-925	TOPPING COMPOUND	REVISED

Please cancel the following formulas by removing them from your formula book:

TEX-944	TEXTURE NON-AGGREGATED	CANCELLED
TEX-931	TOPPING COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018438

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

Don
April 19, 1973

TO:

Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Laboratory

Enclosed please find the following Acme, Texas, plant
formula:

TEX-943 POLYSTYRENE CEILING TEXTURE (PRE-MIX) REVISED

Please sign and return the attached tear sheet.

SGP 0018439

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

Ray CRG
Danny
Jim

October 26, 1977

TO:

Mr. K. W. Brown - Acme
Mr. D. C. Corkill - Portland
Mr. G. F. Fowler - Marietta
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. A. J. Petraline - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, Plant Formula Revisions:

TEX 975	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
TEX 973	READY MIX TOPPING COMPOUND	REVISED
TEX 977	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

SGP 0018440

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

June 26, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Laboratory

THIS COPY FOR

Enclosed please find the following Acme, Texas, plant formula:

TEX-947 G-P CEILING TEXTURE (POLYSTYRENE)

REVISED

Please sign and return the attached tear sheet.

SGP 0018441

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 28, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Laboratory

THIS COPY FOR

Wade
Don
LW

Enclosed please find the following Acme, Texas, plant formula:

TEX-945

G.P. WALL TEXTURE

REVISED

Please sign and return the attached tear sheet

SGP 0018442

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 13, 1974

TO:

Mr. K. W. Brown - Acme
Mr. P. W. Larson - Ft. Dodge
Mr. G. F. Fowler - Marietta
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Dave
Howard
Deming

Enclosed please find the following Acme plant formula:

TEX-977 READY MIX TOPPING COMPOUND

NEW

Please sign and return the attached tear sheet.

SGP 0018443

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD OREGON

THIS COPY FOR

TO:
Mr. K. W. Brown - Acme
Mr. P. W. Larson - Fort Dodge
Mr. G. F. Fowler - Marietta
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

Done
Howard
Deany

Enclose please find the following Acme plant formulas:

TEX-953	ALL PURPOSE JOINT COMPOUND	NEW
TEX-972	READY MIX JOINT COMPOUND	NEW
TEX-974	READY MIX FILLER	NEW
TEX-973	READY MIX FILLER	NEW

Please cancel the following Acme formulas by removing them from your formula book:

TEX-952	ALL PURPOSE JOINT COMPOUND
TEX-954	ALL PURPOSE JOINT COMPOUND
TEX-975	READY MIX FILLER
TEX-978	READY MIX JOINT COMPOUND
TEX-979	READY MIX JOINT COMPOUND
TEX-991	SPEED SET JOINT COMPOUND WHITE
TEX-992	SPEED SET JOINT COMPOUND WHITE

Please sign and return the attached tear sheet.

SGP 0018444

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

Handwritten:
Done
Ew
Dane
Lee
S. Clark

September 9, 1971

TO:

MR. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the Acme, Texas plant formula.

TEX-946 Bestex Texture (Sand Finish) Bestex B

Revised

Please sign and return the attached tear sheet.

SGP 0018445

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

November 18, 1971

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Attached please find the following Acme, Texas, plant formula changes:

TEX-952	All Purpose Joint Compound	Revised
TEX-954	All Purpose Joint Compound	Revised

Please sign and return the attached tear sheet.

SGP 0018446

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 9, 1977

*Don
Jen*

TO:

Mr. K. W. Brown - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. J. Van - Portland
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. A. J. Petraline - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, Plant Formula revision:

TEX-943

POLYSTYRENE CEILING TEXTURE

REVISED

Please sign and return the attached tear sheet.

SGP 0018447

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

SEPTEMBER 15, 1977

Handwritten signatures and initials:
Denny
Jim
Sterling

TO:

Mr. K. W. Brown - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. J. Van - Portland
Mr. E. L. Aasen - Portland
Mr. A. J. Petraline - Wilmington
Mr. C. W. Lehnert - Tigard
Ms. R. L. Dixon - Portland
Tigard Lab

THIS COPY FILE

Enclosed please find the following Acme, Texas, Plant Formula revisions:

TEX-973	READY MIX TOPPING COMPOUND	REVISED
TEX-975	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

SGP 0018448

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 2, 1977

THIS COPY FOR

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. A. J. Petraline - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab
Mr. D. C. Corkill - Portland
Mr. G. F. Fowler - Marietta

Enclosed please find the following Acme, Texas, Plant Formula revisions and cancellations:

✓ TEX-970	READY MIX FILLER	REVISION
✓ TEX-975	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISION
✓ TEX-972	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCEL
✓ TEX-974	READY MIX FILLER	CANCEL

Please sign and return the attached tear sheet.

SGP 0018449

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

Lloyd
Er Y
Don

September 23, 1971

TO:

Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formulas & cancellations.
Please remove cancelled formulas from your books.

TEX-970	Ready Mix Filler (Filler "X")	NEW
TEX-971	Ready Mix Joint Compound (Hand Tools)	NEW
TEX-972	Ready Mix Joint Compound (Machine Tools)	NEW
TEX-971	Ready Mix Filler (Filler "Y")	CANCELLED
TEX-975	Ready Mix Joint Compound (Hand Tools)	CANCELLED
TEX-976	Ready Mix Joint Compound (Machine Tools)	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018450

Georgia Pacific Corporation
Gypsum Division
Tigard, Oregon

Don AF
Lloyd
Howard GHS

March 7, 1974

TO:

Mr. K. W. Brown - Acme
Mr. P. W. Larson - Fort Dodge
Mr. G. F. Fowler - Marietta
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr J. Van - Portland
Mr A. J. Petraline - Wilmington
Mr J. B. Moss - Wilmington
Mr C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, plant formulas:

TEX-971	READY MIX JOINT COMPOUND	REVISED
TEX-970	READY MIX JOINT COMPOUND	REVISED
TEX-993	SPEED SET JOINT COMPOUND WHITE	REVISED
TEX-994	SPEED SET JOINT COMPOUND WHITE	CANCELLED
TEX-995	SPEED SET JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018451

Lloyd

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

July 26, 1973

TO:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Ms. R. L. Dixon - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, plant formulas:

TEX-993 SPEED SET JOINT COMPOUND WHITE
TEX-994 SPEED SET JOINT COMPOUND WHITE

REVISED
NEW

Please sign and return the attached tear sheet.

SGP 0018452

June 18, 1969

GEORGIA-PACIFIC CORPORATION
BESTWALL GYPSUM DIVISION
Tigard, Oregon

Handwritten:
J
LW
JB

TO:

Mr. K. W. Brown - Acme
Mr. J. I. Trolley - Portland
Mr. T. W. Mayberry - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. J. C. Julian - Omaha
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

← THIS COPY FOR ←

This is to advise cancellation of the following Acme, Texas plant formula:

TEX-993 - One Day Wallboard Joint Compound dated 6/24/68

Please sign the attached tear sheet and return to Tigard.

SGP 0018453

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

September 8, 1971

TO:

Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the Acme, Texas plant formulas and one cancellation.

TEX-991	Speed Set Joint Compound White	Revised
TEX-992	Speed Set Joint Compound White	NEW
TEX-995	Speed Set Joint Compound White	NEW
TEX-997	Speed Set Joint Compound White	NEW
TEX-993	Speed Set JointCompound Yellow	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018454

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

Handwritten: Dave (9)
Env
LW
S. Clark

August 30, 1971

TO:

Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. A. H. Copeland - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Please remove the following two Acme, Texas plant formulas from your formula books.

TEX-988	Ready Mix Laminating Compound Fast Tack Machine Application	CANCELLED
TEX-987	Ready Mix Laminating Compound Filler	CANCELLED

Please sign and return the attached tear sheet.

2nd

GEORGIA-PACIFIC CORPORATION
BESTWALL GYPSUM DIVISION

Paoli, Pennsylvania

TO:

Mr. K. W. Brown - Acme ← **THIS COPY FOR**
Mr. J. I. Trolley - Paoli Purchasing
Mr. C. R. Vermillion - Paoli Costs
Paoli Laboratory

May 31, 1966
Paoli Laboratory

The following Acme, Texas plant formula has been cancelled:

TEX-951 - All Purpose Compound Special for Dallas Market CANCELLED

Please sign attached tear sheet and return.

PC
John D
Burd

GEORGIA-PACIFIC CORPORATION
BESTWALL GYPSUM DIVISION

Paoli, Pennsylvania

TO:

Mr. K. W. Brown - Acme
Mr. J. I. Trolley - Paoli Purchasing
Mr. C. R. Vermillion - Paoli Costs
Paoli Laboratory

THIS COPY FOR

July 6, 1966
Paoli Laboratory

The following Acme, Texas plant formula has been cancelled:

TEX-947 - Bestex Texture (Simulated Accoustic) - Bestex C
for Spray Application CANCELLED

Please sign and return the attached tear sheet.

SGP 0018457

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

May 11, 1972

To:

Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formulas.

TEX-942	Vermiculite Ceiling Texture (Part A)	NEW
TEX-943	Polystyrene Ceiling Texture (Premix)	NEW
TEX-948	G-P Ceiling Texture (Medium Vermiculite)	NEW
TEX-949	G-P Ceiling Texture (Coarse Vermiculite)	NEW

Please sign and return the attached tear sheet.

SGP 0018458

GEORGIA PACIFIC CORP.
GYPSUM DIVISION
TIGARD, OREGON

[Handwritten signature]

April 19, 1973

THIS COPY FOR *[Handwritten mark]*

TO:
Mr. K. W. Brown - Acme
Mr. E. L. Aasen - Portland
Mr. N. L. Raffaell - Portland
Mr. J. Van - Portland
Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehnert - Tigard
Tigard Lab

Enclosed please find the following Acme, Texas, formulas:

TEX-922	BEDDING COMPOUND	NEW
TEX-935	TOPPING COMPOUND	NEW

Please cancel the following Acme formulas by removing them
from your formula book:

TEX-925	BEDDING COMPOUND	CANCELLED
TEX-932	TOPPING COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

SGP 0018459

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
Tigard, Oregon

December 30, 1969

To:

Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. T. W. Mayberry - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. P. W. Larson - Fort Dodge
Mr. A. J. Petrline - Rosemont
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formulas:

TEX-945	BESTEX TEXTURE - BESTEX D (FOR SPRAY APPLICATION)	REVISED
TEX-948	BESTEX TEXTURE - BESTEX C (FOR SPRAY APPLICATION)	REVISED
TEX-943	BESTEX TEXTURE (PART "A" PRE-MIX)	REVISED

Please sign and return the attached tear sheet.

SGP 0018460

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
Tigard, Oregon

L. Lloyd

December 30, 1969

TO:

Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. T. W. Mayberry - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. P. W. Larson - Fort Dodge
Mr. A. J. Petraline - Rosemont
Tigard Laboratory

Enclosed please find the following Acme, Texas plant cancellation:

TEX-948 BESTEX TEXTURE - SW BESTEX C - SUPER WHITE

CANCELLED

Please sign and return the attached tear sheet.

SGP 0018461

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

Jack GIB
1/2
March 23, 1970

TO:
Mr. K. W. Brown - Acme ← THIS COPY FOR
Mr. J. I. Trolley - Portland
Mr. T. W. Mayberry - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. J. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formula:

TEX-946 Bestex Texture (Sand Finish) Bestex B Revised

Please sign and return the attached tear sheet.

SGP 0018462



GEORGIA-PACIFIC

INTERDEPARTMENTAL COMMUNICATION

TO: Mr. B. Patrick

DATE: July 15, 1970

FROM: E. D. O'Neill

LOCATION: Portland

LOCATION: Tigard Lab

SUBJECT: ACME, TEXAS, JOINT CEMENT
PLANT FORMULAS

cc: Mr. K. W. Brown - Acme
 Mr. J. I. Trolley - Portland
 Mr. A. Copeland - Portland
 Mr. J. Van - Portland
 Mr. D. C. Corkill - Marietta
 Mr. P. W. Larson - Fort Dodge
 Mr. A. J. Petraline - Rosemont

THIS COPY FOR

Confirming our conversation, the following are the formulations and corresponding codes of Acme, Texas, joint system product line:

Finished Products

		<u>Dated</u>
T902	Triple Duty (white)	5/27/70
T904	Triple Duty (yellow)	5/27/70
T927	Bedding Compound	5/27/70
T931	Topping Compound (yellow)	2/12/70
T932	Topping Compound (white)	2/12/70
T952	All Purpose Joint Compound (white)	7/09/70
T954	All Purpose Joint Compound (yellow)	7/02/70
T991	Speed Set (white)	2/12/70
T993	Speed Set (yellow)	2/12/70
T942	Bestex A	7/07/69
T946	Bestex B	6/15/70
T948	Bestex C	11/10/69
T945	Bestex D	11/10/69
T975	Ready Mix - Hand	7/02/70
T976	Ready Mix - Machine	7/09/70

No. 1 packages and case goods will contain T952.

SGP 0018463

MR. D. PATRICK

-2-

July 15, 1970

Other Finished Products

		<u>Dated</u>
T961	Patching Plaster	12/31/54
T962	Patching Plaster (special)	7/01/57
T965	"Grabit" Masonry Laminating Compound	1/01/63
T963	Spackling Compound	7/01/57
T982	Predecorated Panel Paint (spray application)	1/30/70
T984	Predecorated Panel Paint (roll application)	4/07/70
T985	Touch-Up Paint (roll application)	4/06/70
T986	Laminating Compound	6/25/64

Unfinished Products

T943	Bestex Texture Part A Premix Used in T946, T948, T945	11/10/69
T971	Ready Mix Filler Used in T975, T976	7/02/70

Other Unfinished Products

T981	Predecorated Panel Paint Filler (spray application) Used in T982	1/30/70
T983	Predecorated Panel Paint Filler (roll application) Used in T984 and T985	1/30/70

EDO:elz

E. D. O.

GEORGIA-PACIFIC CORP.
GYPSUM DIVISION
Tigard, Oregon

July 2, 1970

TO:
Mr. K. W. Brown - Acme ~~THIS COPY FOR~~
Mr. J. I. Trolley - Portland
Mr. A. Copeland - Portland
Mr. J. Van - Portland
Mr. D. C. Corkill - Marietta
Mr. A. J. Petraline - Rosemont
Mr. P. W. Larson - Fort Dodge
Tigard Laboratory

Enclosed please find the following Acme, Texas plant formula changes:

✓ TEX-975	Ready Mix Filler (Filler "Y")	NEW
✓ TEX-976	Ready Mix Joint Compound (Hand Tools)	NEW
✓ TEX-955	All Purpose Joint Compound Formula	REVISED
✓ TEX-954	All Purpose Joint Compound Formula (Yellow)	REVISED
TEX-905	Joint Compound CG (For Case Goods Products Only)	CANCELLED
TEX-933	Topping Compound	CANCELLED
TEX-934	Topping Compound	CANCELLED
TEX-926	Bedding Compound	CANCELLED

CANCELLED formulas - remove from your books please.

Sign and return the attached tear sheet please.

SGP 0018465

GEORGIA-PACIFIC CORPORATION

May 6, 1969

Gypsum Division
Tigard, Oregon

TO:

Mr. K. W. Brown - Acme
Mr. J. I. Trolley - Portland
Mr. J. Van - Portland
Mr. T. W. Mayberry - Portland
Mr. D. C. Corkill - Marietta
Mr. J. C. Julian - Omaha
Mr. A. J. Petraline - Rosemont
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas Cancellations.

TEX - 902 - Joint Compound	Cancel
TEX - 938 - Topping Compound (White Western)	Cancel
TEX - 952 - All Purpose Compound	Cancel
TEX - 954 - All Purpose Compound Special for Kansas City	Cancel
TEX - 984 - Laminating Compound	Cancel

Please sign the attached tear sheet and return to Tigard.

SGP 0018466

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POUNDS PER BATCH

LIQUID TIMER SETTING _____

SGP 0018467

FORMULA NO. 970 - READY MIX FILLER

FORMULA NO. 970 - READY MIX FILLER

(FOR BRUNSWICK & FT. DODGE)

RAW MATERIAL

POUNDS PER BATCH

GELVATOL 20-30 BP	32
NATROSOL	26
MICA	520
ASBESTOS	180
LIMESTONE	3242 (65 BAGS)

TOTAL _____

LIQUID TIMER SETTING

SGP 0018468

FORMULA NO. 971 - READY MIX FILLER

RAW MATERIAL

POUNDS PER BATCH

[illegible]

TOTAL 4000

LIQUID TIMER SETTING _____

SGP 0018469

TESTED TO: 974 READY MIX JOINT COMPOUND

OUNDS PER BATCH

TOTAL 1182

LIQUID TIMER SETTING _____

SGP 0018470

FORMULA NO. 986 - LAMINATING COMPOUND

FOUNDS PER BATCH

K. B. FLOUR	800
H. I. CAL LIME	64
TRI-SODIUM PHOSPHATE	88
VANCIDE	4
KAYSOY	120
CASEIN	220
LIMESTONE	2697 (54 BAGS)
KEROSENE	4
COTTON SEED OIL	1
NALCO	2

TOTAL 4000

LIQUID TIMER SETTING

SGP 0018471

FORMULA NO. 934 - TOPPING COMPOUND

RAW MATERIAL

POUNDS PER BATCH

VANCIDE	3
NATROSOL 250 HXR	16
ZINC OXIDE	4
SODA ASH	14
BORAX	6
YELLOW OXIDE	4
CASEIN	160
ASBESTOS	220
MICA	520
NALCO	1
CEMENTSTONE	3052 (61 BAGS)

TOTAL 4000

LIQUID TIMER SETTING

SGP 0018474

FORMULA NO. 905 - JOINT COMPOUND

RAW MATERIAL

POUNDS PER BATCH

VANCIDE

3

PETRO AD

4

NATROSOL 250 HXR

12

ZINC OXIDE

4

SODA ASH

16

BORAX

6

YELLOW OXIDE

4

CASEIN

180

ASBESTOS

220

MICA

640

NALCO

1

LIMESTONE

2910 (58 BAGS)

TOTAL 4000

LIQUID TIMER SETTING _____

SGP 0018476

5/2/106

FORMULA NO. 926 - BEDDING COMPOUND

RAW MATERIAL

POUNDS PER BATCH

VANCIDE

3

PETRO AD

4

NATROSOL 250 HXR

10

ZINC OXIDE

4

SODA ASH

16

BORAX

6

CASEIN

200

ASBESTOS

220

MICA

680

NALCO

1

LIMESTONE

2856

(57 BAGS)

TOTAL

4000

LIQUID TIMER SETTING

SGP 0018477

J. Phillips

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 2, 1978

TO:

Mr. C. R. Coats - Acme
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, Plant Formula revisions:

TEX-973	READY MIX TOPPING COMPOUND	REVISED
TEX-977	READY MIX JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

SGP 0018478

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

Sammy R. S.
Jim
Clark Clark

February 24, 1978

TO:

Mr. K. W. Brown - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed Please find the following Acme, Texas, Plant Formula revision:

TEX-976

READY MIX FILLER

REVISED

Please sign and return the attached tear sheet.

SGP 0018479

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 18, 1968

TO:

Mr. K. W. Brown - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. C. W. Lehnert - Tigard
Tigard Lab

THIS COPY FOR

Enclosed please find the following Acme, Texas, Plant Formula revisions:

TEX-970	READY MIX FILLER	CANCELLED
TEX-975	READY MIX JOINT COMPOUND	CANCELLED
TEX-976	READY MIX FILLER	REVISED
TEX-977	READY MIX JOINT COMPOUND	REVISED
TEX-973	READY MIX TOPPING	REVISED

Please sign and return the attached tear sheet.

SGP 0018480

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

April 17, 1978

TO:

Mr. C. R. Coats - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. C. W. Lehnert - Tigard
Tigard Lab

Enclosed please find the following Acme, Texas, Plant Formula Revision:

TEX-976

READY MIX FILLER

REVISED

Please sign and return the attached tear sheet.

SGP 0018481

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

[Handwritten signatures: "Hamp" and "Sterling"]
February 15, 1978

TO:

Mr. K. W. Brown - Acme
Mr. G. F. Fowler - Marietta
Mr. D. C. Corkill - Portland
Mr. E. L. Aasen - Portland
Mr. J. Van - Portland
Ms. R. L. Dixon - Portland
Mr. C. W. Lehnert - Tigard
Tigard Lab

Enclosed please find the following Acme, Texas, Plant Formula revision:

TEX-973

READY MIX TOPPING COMPOUND

REVISED

Please sign and return the attached tear sheet.

SGP 0018482

CHICAGO ASBESTOS FORMULA CHANGES

Chicago Formula Changes
1975-1982

CLOSED

10-10-79

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

September 11, 1979

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953 VINYL JOINT COMPOUND NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953 VINYL JOINT COMPOUND NEW

Signed: Hubert C. Jones Plant: LAB Date: 9-11-79

HCF:ps
9/11/79

SGP 0018485

Supersedes Formula C-903

Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA

VINYL ~~TRIPLE-BOND~~ JOINT COMPOUND C-903-C-903-C-953.

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow***
Specifications: Dried compound shall not vary in color from preceding batches.

*Staley Il3-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0018486

September 1, 1977
Supersedes Formula C-903
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow***
Specifications: Dried compound shall not vary in color from preceding
batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0018487

September 1, 1977
Supersedes Formula C-923
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

*Staley I13-105 may be substituted at equal loading.
** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/ jr

SGP 0018488

CANCEL

August 31, 1977
Supersedes Formula C-953
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing, and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
-/* Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

* Staley I13-105 may be substituted at equal loading.
*** For yellow compound, add 4 lbs. yellow oxide per batch.
**Celatom MW27 may be substituted at an equal loading.

WNG/gp

-/ denotes change

SGP 0018489

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 16, 1978

TO:

Mr. M. A. Palmowski - Chicago

~~Mr. C. F. Fowler - Marietta~~

~~Mr. D. C. Corkill - Portland~~

~~Mr. E. L. Aasen - Portland~~

~~Mr. J. Van - Portland~~

~~Ms. R. L. Dixon - Portland~~

~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following Chicago, Illinois, Plant Formula revisions:

C-970	READY MIX FILLER	REVISED
C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	REVISED
C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED

Hubert C. Fournier

PLANT

DATE 2-16-78

HCF

2/16/78

SGP 0018490

2/15/70?
Ready Mix Topping
C-971
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-971 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound used for finishing joint and spotting nail heads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
PROXCEL-CR	PRESERVATIVE	-	.05	1.0
Filler C-970	Filler	--	93.65	1950.0
Elvace EP 200	Adhesive	185	6.0	126.0 (14 gals.)
Nalco 71D-5	Defoamer	125	.1	2.0
Acrysol ASE-60	Thickener	147	.2	4.0
*Water	Solvent	--	--	1104.0 (133 Gals.)
				3186.0*
				3187.0

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING
INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) Elvace EP 200
 - 3) Nalco
 - 4) Filler C-970
 - 5) Mix until filler is thoroughly dispersed
 - 6) Add Acrysol ASE-60
 - 7) Mix until Ready Mix is smooth - check viscosity and pH

WORKING CONSISTENCY
Specifications for
Paste

- Refer to Plant Testing Procedure No. 32. If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 7 gallons H₂O (400 $\pm$ 20)

pH

Minimum - 9.0

Maximum - 9.5

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37. Rating shall be 4 or better.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

August 19, 1977

Formula C-970

NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping Compound C-971.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	85.486 85.216	3799 3767
Mica	Anti-Cracking	11	7.314	325
Natrosol 250 HXR	Water Retention	170	.675	30
Dowicil-75	Preservative	193	.27	12
Minugel FG	Bulking Agent	--	1.800	80
Magnesium Oxide (Heavy)	Viscosity Stabilizer	--	.135	6
Pyrophyllite SK	Bulking Agent	--	4.500	200
Sorbitol (powdered)	Borax Stabilizer	--	.09	4
			100.000	4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

- White

Specifications

Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

NOTE.

~~DOWICIL-75~~ ^{USED} can be ~~substituted~~ at a loading of ~~48%~~ ^{27% 12} (8 lbs/batch.) WHEN PROXCEL IS NOT USED.

HCF:jr

SGP 0018492

August 2, 1977

Supersedes Formula C-979

Dated: 1/17/77

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX JOINT COMPOUND C-979 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
PROXCEL-CRL	PRESERVATIVE		.05	1.0
-/ Filler C-978	Filler	--	93.15	1950.0
Elvace EP-200	Adhesive	185	6.5	136.0 (15.25 gals.)
-/ Nalco 71D-5	Defoamer	125	.1	2.0
-/ Acrysol ASE-60	Thickener	147	.2	4.0
*Water	Solvent	--	--	1104.0 (133 gals.)
			100.0	3196.0**
				3197.0

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

** One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING
INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) Elvace EP-200
 - 3) Nalco
 - 4) Filler C-978
 - 5) Mix until filler is dispersed
 - 6) Add Acrysol ASE-60
 - 7) Mix until Ready Mix is smooth - pumping viscosity should be 480 $\pm$ 20 to allow for 24 hour viscosity build of 100 pts.

WORKING CONSISTENCY
Specifications for
Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For Machine tools add 7 gallons H₂O (400 $\pm$ 20)

-/ pH Minimum - 9.0 Maximum - 9.5

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

HCF:jr

Continued on Page 2...

SGP 0018493

August 31, 1977
Supersedes Formula C-978
Dated: August 2, 1977

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	84.541 84.811	3257 3769
Mica	Anti-cracking	11	7.314	325
Natrosol 250 HXR	Water Retention	170	.450	20
Dowicil-75	Preservative	173	.27	12
Minugel FG	Bulking Agent	8	1.800	80
Magnesium Oxide (Heavy)	Viscosity Stabilizer	-	.135	6
Pyrophyllite SK	Bulking Agent	-	4.500	200
Sorbitol (Powdered)	Borax Stabilizer	-	.09	4
*Hamico 267	Adhesive	23	.900	40
			100.000	4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.		
<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/* Staley I13-105 may be substituted at an equal loading.

PLEASE NOTE DOWICIL-75 CAN BE USED AT A LOADING OF .27% (12 LB./BATCH)
WNG:jf WHEN PROCEL IS NOT USED

-/ denotes change

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:

September 2, 1977

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab ~~THIS COPY FOR~~

Closed

Enclosed please find the following Chicago Illinois, Plant Formula revisions and cancellations:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

SIGNED

W. H. J.

PLANT

DATE

9/2/77

WNG/9/2/77

SGP 0018495

January 10, 1977
Supersedes Formula C-903
Dated: 12/1/76

1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	1.485	44.66
-/ Minugel FG ^{6000 LHM 427} _{X-4927}	Fiber Filler	- 3.375	5.626	250-150
Mica p80-H	Anticracking agent	1113.501	19.127	850-600
-/ Limestone	Filler	13	77.139	3226-3128
Hamico 267	Adhesive	23	.450	40.20
Sorbitol (powdered)	Borax stabilizer		.180	8
45-100 1.176 266			<u>3.575</u>	<u>11.0</u>
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

27 MAY BE SUBSTITUTED AT AN EQUAL PART

-/ denotes change

WNG/gvp

SGP 0018496

12/1/76, 1977

Supersedes Formula C-923

Dated: 12/1/76

1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44-66
-/-Minugel FG- X-1927	Fiber filler	62	.626	250-150
Mica p80-H	Anticracking agent	11	.127	850
-/ Limestone	Filler	137	.592	3226-3478
* Hamico 267	Adhesive	23	.900	40 2.0
Sorbitol (powdered)	Borax stabilizer		.180	8
			<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

ALL 12-105 MAY BE SUBSTITUTED BY 12-106
ALL 12-106 MAY BE SUBSTITUTED BY 12-105
LEADING

-/ denotes change

WNG/gvp

SGP 0018497

Supersedes Formula C-953

Dated: 12/1/76

1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing, and spotting nailheads.

<u>FORMULA</u>		<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
<u>Raw Material</u>	<u>Function</u>			
Petro AD	Dispersant	120	.000	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	1.485 .990	44 60
-/ Minugel-FG CL-1927	Fiber filler		3.375 5.626	250 150
Mica p80-H	Anticracking agent	.1	13.5 119.127	850 600
-/ Limestone	Filler	13 77.139	72.592	3226 2400
* Hamico 267	Adhesive	.3	.450 .900	40 20
Sorbitol (Powdered)	Borax Stabilizer		.180	8
			<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG/gp

-/ denotes change

SGP 0018498

August 2, 1977
 Supersedes Formula C-978
 Dated: 3/21/77

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/Limestone	Filler	13	84.541	3757
Mica	Anti-cracking	11	7.314	325
-/Natrosol 250 HXR	Water Retention	170	.450	20
-/Dowacil-10 Powder	Preservative	193	.27	12
Minugel F	Bulking Agent	8	1.800	80
-/Magnesium Oxide (Heavy)	Viscosity Stabilizer	-	.135	6
Pyrophyllite SK	Bulking Agent	-	4.500	200
-/Sorbitol (Powdered)	Borax Stabilizer	-	.09	4
* Hamico 267	Adhesive	23	.900	40
			100.000	4444

<u>WORKING CONSISTENCY</u> <u>Specifications</u>	- Refer to Plant Testing Procedure No. 32.		
	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	62	58	60

<u>WORKING PROPERTIES</u> <u>Specifications</u>	- Refer to Plant Testing Procedure No. 33.	
	Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.	

<u>COLOR</u> <u>Specifications</u>	- White	
	Dried compound shall match color of standard sample.	

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/*Troysan PMA-10-SEP can be substituted at a loading of .18% (8 lbs/batch).

HCF:jr

-/ denotes change

May 4, 1977
Formula C-934
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Mica	11	12.0000	480
Pyrophyllite	-	5.0000	200
Minugel G	-	2.5000	100
Celatom MW 27	-	2.0000	80
Limestone	13	72.9775	2919.1
Petro AD	126	.1000	4.0
Vancide	143	.0750	3.0
Natrosol	170	.4000	16.0
Zinc Oxide	119	.0600	2.4
Soda Ash	32	.2000	8.0
Borax	37	.1000	4.0
Staramic 747	192	2.5000	100.0
Casein	10	2.0000	80.0
Mlll	196	.0250	1.0
Aluminum Sulfate	-	.0625	2.5
		100.0000	4000.0

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	65	58	62
Alkalinity - pH	No. 34	8.6	8.2	8.4
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color - White or Yellow* -	Dried compound shall match the color of a standard sample and be free of color streaks.			

*For Yellow compound add 4 lbs. yellow oxide per batch.

WNG/gvp

SGP 0018500

May 4, 1977
Formula C-952
NEW

CHICAGO, ILLINOIS PLANT FORMULA
ALL PURPOSE COMPOUND C-952

DESCRIPTION OF PRODUCT - All Purpose compound for taping, finishing and spotting nailheads. For Ecker shipments only.

<u>FORMULA</u>			
<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Mica	11	12.0000	480.0
Pyrophyllite	-	5.0000	200.0
Minugel FG	-	2.5000	100.0
Celatom MW 27	-	2.0000	80.0
Limestone	13	72.7275	2909.1
Petro AD	126	.1000	4.0
Vancide	143	.0750	3.0
Natrosol	170	.4000	16.0
Zinc Oxide	119	.0600	2.4
Soda Ash	32	.2000	8.0
Borax	37	.1000	4.0
Staramic 747	192	2.7500	110.0
Casein	10	2.0000	80.0
Mlll	196	.0250	1.0
Aluminum Sulfate	-	.0625	2.5
		100.0000	4000.0

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	65	58	62
Alkalinity - pH	No. 34	8.6	8.2	8.4
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- White or yellow* Dried compound shall match the color of a standard sample and be free of color streaks.			

*For yellow compound, add 4 lbs. yellow oxide per batch.

WNG/gvp

SGP 0018501

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 5, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab

Enclosed please find the following Chicago, Illinois, Plant Formula date correction:

C-903 TRIPLE DUTY JOINT COMPOUND DATE CORRECTION

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903 TRIPLE DUTY JOINT COMPOUND DATE CORRECTION

NAME W. A. Y. PLANT _____ DATE 10/13/77

WNG
10/5/77

SGP 0018502

Supersedes Formula C-903

Dated: 11/1/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow***
Specifications: Dried compound shall not vary in color from preceding
batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0018503

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

November 29, 1977

TO:

Mr. M. A. Palmowski - Chicago
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~

Enclosed please find the following Chicago, Illinois, Plant Formula:

C-904 TRIPLE DUTY JOINT COMPOUND NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-904 TRIPLE DUTY JOINT COMPOUND NEW

SIGNED Hubert Fowler PLANT _____ DATE 11-30-77

HCF
11/29/77

SGP 0018504

Supersedes Formula C-903 C-904
Dated: 12/1/76 NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903 C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing. *FOR MINNEAPOLIS ONLY.*

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	-126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C126	.045	2
Gelvato 6000	Adhesive	162	.990	44
Minugel EG X 1927	Fiber Filler	-	5.626-3.6	250/100
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	-	72.592-74.618	3226-3720
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer	-	.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch..

-/ denotes change

WNG/gvp

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

August 19, 1977

TO:

Mr. M. A. Palmowski - Chicago
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. D. C. Corkill - Portland~~
Tigard Lab

Enclosed please find the following Chicago, Illinois, Plant Formulas:

C-970	READY MIX FILLER	NEW
C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	NEW
C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	NEW

SIGNED Hubert Fowler PLANT _____ DATE 8-19-77

HCF
8/19/77

SGP 0018506

July 19, 1977
Formula ~~AK-970~~ C-970
NEW

CHANGES
~~ANDON, NEW YORK~~, PLANT FORMULA
READY MIX FILLER ~~AK-970~~ C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping Compound ~~AK~~-971. ^C

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	85.216 81.699	3761.3787
Mica	Anti-cracking	11	7.314	325
<i>14-71052</i> Galactosol 413 WD 250 <i>AKR</i>	Water Retention	170	.675	30
<i>Trojan Dowasil-75</i>	Preservative	173	.27.189	812
Minugel FG	Bulking Agent		1.800	80
<i>MAGNESIA</i> Portland Cement <i>HEAVY</i> <i>VSUS</i>	pH Stabilizer	51.8-136	.135.360	26
Aluminum Sulfate	pH Stabilizer	50	.500	26
Pyrophyllite SK	Bulking Agent	--	4.500	200
Sorbitol (powdered)	Borax Stabilizer	--	.09.113	84
			100.000	4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.
Maximum Minimum Average
62 58 60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula ~~AK~~-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. ~~AK~~-971. ^C

- 1 * TRO/SAN PMA-~~413~~ WD 250 ~~AKR~~ BE SUBSTITUTED AT A LOADING OF .15%
(8 kg/batch)

WNG:jg

SGP 0018507

CHICAGO, ILLINOIS
~~CHICAGO, ILLINOIS~~, PLANT FORMULA
READY MIX TOPPING COMPOUND ~~S~~-971 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound used for finishing joint and spotting nail heads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Filler A ^C -970	Filler	--	93.7 93.7	1950.0 1950.0
Elvace EP 200	Adhesive	185	6.0	126.266.0 (26 gals.)
Nalco 71D-5	Defoamer	125	.1	200.0 20.0
Acrysol ASE-60	Thickener	147	2	22.040
Water	Solvent	--	--	115% 2075.0 (250 gals.) 6500.0 3186.0

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields ⁵¹ ~~100~~ $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) Elvace EP 200
 - 3) Nalco
 - 4) Filler ~~A~~ ^C-970
 - 5) Mix until filler is thoroughly dispersed
 - 6) Add Acrysol ASE-60
 - 7) Mix until Ready Mix is smooth - check viscosity and pH

WORKING CONSISTENCY
Specifications for
Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add ⁷ ~~4~~ gallons H₂O (400 $\pm$ 20)

pH

Minimum - 9.0 Maximum - ^{9.5} ~~10.0~~

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 75% fiber tear when delaminated.

Continued on Page 2

July 19, 1977
Ready Mix Topping
C-4-971
NEW

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
Rating shall be 4 or better.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

WNG: jr

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

August 2, 1977

TO:

Closed

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. G. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab

Enclosed please find the following Chicago, Illinois, Plant Formula Revisions:

C-978	READY MIX FILLER	REVISION
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISION

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-978	READY MIX FILLER	REVISION
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISION

SIGNED *G. F. Fowler* PLANT _____ DATE 8-3-77

HCF
8/2/77

SGP 0018510

January 17, 1977
Supersedes Formula C-979
Dated: 5/21/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX JOINT COMPOUND C-979 (HAND TOOLS)

DESCRIPTION OF PRODUCT : White Ready Mix Joint Compound used for taping, topping and texturing. (Special asbestos free formula for all one gallon ready mix and selective five gallon shipment only.)

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Filler C-978	Filler	--	92.8 93.2	1950.0
Elvace EP-200	Adhesive	185	6.5	136.0 (15.25 gals.)
Nalco 71D-5	Defoamer	125	2.1	4.0 2.0
Acrysol ASE-60	Thickener	147	5.2	10.0 4.0
-/*Water	Solvent	-	--	1104.0 (133 gals.)
			100.0	3196.0 3204.0**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

** One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) Elvace EP-200
 - 3) Nalco
 - 4) Filler C-978
 - 5) Mix until filler is dispersed
 - 6) Add Acrysol ASE-60
 - 7) Mix until Ready Mix is smooth - pumping viscosity should be 480 ± 20 to allow for 24 hour viscosity build of 100 pts.

WORKING CONSISTENCY

Specifications for Paste - Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For Machine tools add 7 gallons H₂O (400 $\pm$ 20)

pH Minimum - 9.0 ~~Maximum - 10.0 (24 hrs.)~~ ^{9.5}

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

WNG:gvp

Continued on Page 2...

SGP 0018511

March 21, 1977
Supersedes Formula C-978
Dated: 1/10/77

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	84.0688 54.1	3756 3757
Mica	Anti-cracking	11	7.314	325
*Galactasol 413-WD	Water Retention	163/70	.450	20
Troyson PMA 10-SEP	Preservative	193	1.00 .27	0 12
-/ Minugel FG	Bulking Agent	8	1.800	80
Portland Cement	Stabilizer	51 & 136	.360 .135	16 6
Aluminum Sulfate	pH Stabilizer	52	.360	16
Pyrophyllite SK	Bulking Agent	-	4.500	200
Sorbitol (Powdered)	Borax Stabilizer	-	.068 .05	34
Hamico 267	Adhesive	23	.900	40
			100.000	4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.		
<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

~~*Methocel K/M may be substituted on a temporary basis until inventory is used.~~

WNG/gvp

-/ denotes change

SGP 0018512

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 4, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. J. Van - Portland~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Tigard Lab~~
~~Mr. E. B. Hollingsworth - Wilmington~~

Closed

Enclosed please find the following NEW Chicago, Illinois Plant Formulas:

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW

The following Chicago, Illinois Plant Formulas have been Cancelled:

C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW
C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

SIGNED W. A. Lettel PLANT _____ DATE 5/4/77

WNG/gvp
5/4/77

SGP 0018513

1144 4
 April 22, 1977
 Formula C-956 052
 NEW

CHICAGO, ILLINOIS PLANT FORMULA
ALL PURPOSE COMPOUND C-956 952

DESCRIPTION OF PRODUCT - All Purpose compound for taping, finishing and spotting nailheads. For Ecker shipments

RAW MATERIAL	R.M. SPEC	%	LBS/BATCH	
MICA	11	12	480	
PYROPHYLLITE	—	5	200	ch
MINUGEL FG	—	2.5	100	
CELATOM MW 27	—	2.0	80	
LIMESTONE 13	72.7275	72.7275	2919.1	2909.1
PETRO AD	126	.10	4.0	
VANCIDE	143	.075	3.0	.5
NATROSOL	170	.40	16.0	
ZINC OXIDE	119	.06	2.4	.5
SODA ASH	32	.20	8.0	110
BORAX	37	.10	4.0	
STARAMIC 747	192	2.75	110.0	110.0
CASEIN	10	2.0	80.0	
M111	196	.025	1.0	
ALUMINUM SULFATE		.0625	2.5	
TOTALS		100%	4000.0	

			imum	Average
GA OFFEND			8	62
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
		8.6	8.2	8.4
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- White or yellow* Dried compound shall match the color of a standard sample and be free of color streaks.			

*For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0018514

May 10, 1976 1977
Formula C-936 934
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

RAW MATERIAL	RM Spec	Percent	Lbs/Batch
-----	Spec	-----	-----
MICA	11	12	
PYROPH LITE	1	5	480
MINUGEL FG	1	2.5	200
CELATOM MW 27	1	2.0	100
LIMESTONE	13	72.9775	80
PETRO AD	126	.10	2919.1
VANCIDE	143	.075	4.0
NATROSOL	170	.40	3.0
ZINC OXIDE	119	.06	16.0
SODA ASH	32	.20	2.4
FORAX	37	.10	8.0
STARAMIC 747	192	2.5	4.0
CASEIN	10	2.0	100.0
M111	196	.025	80.0
ALUMINUM SULFATE	1	.0625	1.0
TOTALS		100%	2.5
			4000.0

verage
62
38
9.0
8.4

ing and

Crack Resistance

No. 37 - There shall be at most only a couple of fine cracks in the wedge.

Color

- Dried compound shall match the color of a standard sample and be free of color streaks.

WNG/gvp

SGP 0018515

May 10, 1976
Formula C-936
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro A ¹	126	0.100	4
Vancide	143	0.075	3
Natrosol 250 HXR	170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer Mill	196	.025	1
Limestone	13	81.550	3262
		100.000	4000

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- Dried compound shall match the color of a standard sample and be free of color streaks.			

WNG/gvp

SGP 0018516

April 22, 1977
Formula C-956
NEW

CHICAGO, ILLINOIS PLANT FORMULA
ALL PURPOSE COMPOUND C-956

DESCRIPTION OF PRODUCT - All Purpose compound for taping, finishing and spotting nailheads. For Ecker shipments only.

FORMULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	126	0.100	4
Vancide	143	0.075	3
Natrosol 250 HXR	170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer Mill	196	.025	1
Limestone	13	81.550	3262
		100.000	4000

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- White or yellow* Dried compound shall match the color of a standard sample and be free of color streaks.			

*For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0018517

CANE -

January 10, 1977
Supersedes: Formula C-970
Dated: 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976...

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Sorbitol	Borax Stabilizer	-	.067	3.00
Asbestos SG210	Bulking Agent	18	1.575	70.00
*Asbestos 7RF02	Bulking Agent	9	1.575	70.00
-/ Troysan PMA-10-SEP	Preservative	-	.180	8.00
Hamico 267	Adhesive	23	.585	26.00
Natrosol 250 HXR	Water Retention Aid	170	.450	20.00
Mica P80-F	Anti-Cracking	11	6.751	300.00
Sericite Mica GP-F-2	Mica-Extender	-	6.751	300.00
-/ Limestone	Filler	13	82.066	3647.00
			100.00	4444.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

-/ denotes change

WNG: gvp

SGP 0018518

January 10, 1977
Supersedes: Formula C-973
Dated: 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping compound C-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Sorbitol	Borax Stabilizer	-	.075	3.00
Asbestos SG 210	Bulking Agent	18	1.75	70.00
Asbestos 7RF02	Bulking Agent	9	1.75	70.00
-/ Troysan PMA-10-SEP	Preservative	-	.20	8.00
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00
Mica P80-F	Anti-Cracking	11	7.50	300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00
-/ Limestone	Filler	13	75.975	3039.00
			100.00	4000.00

<u>WORKING CONSISTENCY</u> <u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR
Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

-/ denotes change

WNG:gvp

SGP 0018519

January 10, 1977
Supersedes Formula C-974
Dated: 7/21/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-974 (HAND TOOLS)

DESCRIPTION OF PRODUCT

- White Ready Mix Topping Compound used for topping and spotting nailheads.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Water	Solvent	--	--	1038.00(125 gals)*
Nalco	Anti-foaming Agent	125	0.1	2.00
-/ Elvace EP-200	Adhesive	185	4.5	92.00 (10.3 gals)
Filler C-973	Filler		95.4	1950.00
			100.0	3082.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specification for Paste:

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 $\pm$ 20

For machine tools add 6 gallons H₂O (400 $\pm$ 20)

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE

Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

WNG:gvp

-/ denotes change

SGP 0018520

January 10, 1977
Supersedes Formula C-976
Dated: 7/21/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Water	Solvent	--	1038.00 (125 gals.)*
Nalco	Anti-foaming agent	.1	2.00
-/ Elvace EP-200	Adhesive	6.4	134.00 (15.0 gals.)
Filler C-970	Filler	<u>93.5</u>	<u>1950.00</u>
		100.0	3124.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

-/ **One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE

Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG: gvp

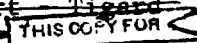
-/ denotes change

SGP 0018521

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

November 24, 1976

TO:

~~Mr. K. W. Brown - Acme~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← 

Closed

Enclosed please find the following Acme, Texas Plant Formula Revisions:

TEX-973	READY MIX FILLER	REVISED
TEX-974	READY MIX FILLER	REVISED
TEX-976	READY MIX FILLER (FILLER "X")	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

TEX-973	READY MIX FILLER	REVISED
TEX-974	READY MIX FILLER	REVISED
TEX-976	READY MIX FILLER (FILLER "X")	REVISED

SIGNED W. N. P. PLANT _____ DATE 12-1-76

WNG

SGP 0018522

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 1, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~M. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehner - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

SIGNED W. A. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

SGP 0018523

November 23, 1976
 Supersedes Formula C-903
 Dated: 12/2/75
 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Attagel 40	Fiber Filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	74.618	74.708	3320- ³²¹⁶
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

SGP 0018524

November ~~23~~, 1976
 Supersedes Formula C-923
 Dated: ~~12/2/75~~
 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
 Not to be used as a topping compound.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
2000 AD	DISPERGENT	172	1.000	11
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
Attagel 40	Fiber filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	1374.618	74.708	3320 3316
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4000 4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
 Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
 After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White
 Dried compound shall not vary in color from preceding batches.

WNG/gvp

-/ denotes change

SGP 0018525

November 23, -1976
Supersedes Formula C-953
Dated: 12/1/75-
11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing, and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
PETRO ND	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Attagel 40	Fiber filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	13	74.618 74.708-	3320 3216
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

WNG/gvp

-/ denotes change

SGP 0018526

Supersedes: Formula C-970

Dated: 7/21/76

11/23/78

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol	Borax Stabilizer	-	.090	4.00
Asbestos SG210	Bulking Agent	18	1.575	70.00
*Asbestos 7RF02	Bulking Agent	9	1.575	70.00
**Dowicil 75	Preservative	193	.360	16.00
Hamico 267	Adhesive	23	.585	26.00
Natrosol 250 HXR	Water Retention Aid	170	.450	20.00
Mica P80-F	Anti-Cracking	11	6.751	300.00
-/ Sericite Mica GP-F-2	Mica-Extender	-	6.751	300.00
-/ Limestone	Filler	13	81.863	3638.00
			100.00	4444.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

** TROYSAN PMA-10-SEP MAY BE SUBSTITUTED.
USE AT A LOADING OF 8 LBS./BATCH

-/ denotes change

WNG:gvp

SGP 0018527

Spec. 1, 1976
July 14, 1976
Supersedes: Formula C-973
Dated: 3/23/76
7/14/70

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping compound C-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/* Sorbitol	Borax Stabilizer	-	.10	4.00
Asbestos SG 210	Bulking Agent	18	1.75	70.00
Asbestos 7RF02	Bulking Agent	9	1.75	70.00
*★ Dowicil 75	Preservative	193	.20	8.00
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00
Mica P80-F	Anti-Cracking	11	7.50	300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00
Limestone	Filler	13	75.95	3038.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

*★ TROYAN PMA -10- SEP MAY BE SUBSTITUTED.
USE AT A LOADING OF 8 LBS/BATCH.

WNG:gvp

SGP 0018528

June 9, 1976 *7/10/76*
 Supersedes Formula C-978
 Dated: *5/21/76*
6/9/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	80.7 81.00	-3240 <i>3220</i>
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
* Cosan JTA 20 <i>powder</i>	Preservative	193	40.10	<i>416</i>
-/ Attagel 40 <i>75</i>	Bulking Agent	8	1.50	60
Portland Cement	pH Stabilizer	51& 136	.40	16
Aluminum Sulfate	pH Stabilizer	52	.40	16
Pyrophyllite SK	Bulking Agent	--	5.00	200
Sorbitol (powdered)	Borax Stabilizer	--	.10	4
Hamico 267	Adhesive	23	<u>1.00</u>	<u>40</u>
			100.00	4000

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	62	58	60

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

- White

Specifications Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

* TROYSAN PMA-10-SEP MAY BE SUBSTITUTED.
 1.00 AT A LOADING OF 8 LBS/BATCH
 WNG/gvp

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 19, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

C. W. Lehnert

Please find enclosed the following Chicago, Illinois Plant Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED

W. A. G.

PLANT

DATE

1-21-76

WNG

SGP 0018530

JAN. 10, 1977
 December 1, 1976
 Supersedes Formula C-903
 Dated: 11/23/76

12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
SS Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelva ol 6000	Adhesive	162	.990	44
- / Attag 140 Alkyl Cellulose	Fiber Filler	9 5.626	9.600	160 2.50
Mica 80-H	Anticracking agent	11	19.127	850
- / Limes one	Filler	72.54274	61.8	3316 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

- / denotes change

WNG/jg
 9P

SGP 0018531

JAW. 10, 1977
~~December 1, 1976~~
 Supersedes Formula C-923
 Dated: 11/23/76
 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
 Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
7 Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/ Attagel 40 MINUGEL FG	Fiber filler	6 9 51626 3.600		160 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13 72.59 274.678		3316 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG/jc
 gp
 -/ denotes change

SGP 0018532

JAN. 10, 1977
November 23, 1976
Supersedes Formula C-933
Dated 12/1/75
11/22/76

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXX	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	.990	44
-/ Attagel 40 known as FG	Fiber Filler	9-5.626 3-600		-100 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13 72.592 74.618		3316 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0018533

TAD. 10. 1. 1976
 December 1, 1976
 Supersedes Formula C-953
 Dated: 11/23/76
 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing, and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
3 Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvato1 6000	Adhesive	162	.990	44
-/ Attagel 40 MINERAL F6	Fiber filler	95.626	3.600	160 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	1372.59274	61.8	3316 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

WNG/ ~~js~~
 9P
 -/ denotes change

SGP 0018534

JAN. 10, 1977
December 1, 1976
Supersedes: Formula C-970
Dated: 11/23/76
12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>	
-/ Sorbitol	Borax Stabilizer	-	.067 .090	4.00	3.0
Asbestos SG210	Bulking Agent	18	1.575	70.00	
*Asbestos 7RF02	Bulking Agent	9	1.575	70.00	
-/ ** DOWICIL 75	Preservative	193	.360	16.00	4.00
Hamico 267	Adhesive	23	.585	26.00	
Natrosol 250 HXR	Water Retention Aid	170	.450	20.00	
Mica P80-F	Anti-Cracking	11	6.751	300.00	
Sericite Mica GP-F-2	Mica-Extender	-	6.751	300.00	
-/ Limestone	Filler	138	2.066 81.863	3633.00	3647
			100.00	4444.00	

<u>WORKING CONSISTENCY</u>	- Refer to Plant Testing Procedure No. 32.		
<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR
Specifications - White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

~~/** Troysan PMA-10-SEP may be substituted. Use at a loading of 8 lbs./batch.~~

-/ denotes change

WNG: *js*
gp

SGP 0018535

JAN. 10, 1977
 December 1, 1976
 Supersedes: Formula C-973
 Dated: 7/14/76
 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping compound C-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>	
-/ Sorbitol	Borax Stabilizer	-	.075 10	4.00	3.0
Asbestos SG 210	Bulking Agent	18	1.75	70.00	
Asbestos 7RF02	Bulking Agent	9	1.75	70.00	
-/ Dowicil 75 ^{7 COV. 110}	Preservative	193	.20	8.00	
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00	
Mica P80-F	Anti-Cracking	11	7.50	300.00	
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00	
-/ Limestone	Filler	13	75.975 75.95	3038.00	3039
			100.00	4000.00	

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR
Specifications

- White
 Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

~~**Troysan PMA-10 SEP may be substituted. Use at a loading of 6 lbs/batch.~~

-/ denotes change

WNG:jg
 9p

SGP 0018536

JAN. 17, 1977

July 14, 1976

Supersedes Formula C-974

Dated: 3/23/76.

7/21/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-974 (HAND TOOLS)

DESCRIPTION OF PRODUCT

- White Ready Mix Topping Compound used for topping and spotting nailheads.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u> 125
-/ Water	Solvent	--	--	1035 1080.00 (130 gals)*
Nalco	Anti-foaming Agent	125	0.1	2.00
-/ Elvace 1875 E.P. - 200	Adhesive	185	4.5	92.00 (10.3 gals)
Filler C-973	Filler		95.4	1950.00
			100.0	3124.00**
				30.0

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specification for Paste:

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 $\pm$ 20

For machine tools add 6 gallons H₂O (400 $\pm$ 20)

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE

Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

WNG:gvp

-/ denotes change

SGP 0018537

JAN. 17, 1977
~~July 21, 1976~~
Supersedes Formula C-976
Dated 3/23/76
7/21/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Water	Solvent	--	1032 1080.00 (130 gals.)*
Nalco	Anti-foaming agent	.1	2.00
-/ Elvace 1875 ≤ 2.00	Adhesive	6.4	134.00 (15.0 gals.)
4 Filler C-970	Filler	<u>13.5</u>	<u>1950.00</u>
		100.0	3166.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

-/ **One batch yields ⁵⁰ ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG: gvp

-/ denotes change

SGP 0018538

JAN 10, 1977
 December 1, 1976
 Supersedes Formula C-978
 Dated: 6/9/76
 12/1/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	3.16880.70	3228- 3696
Mica	Anti-Cracking	11	7.314 10.00	400 325
* Methocel 4M	Water Retention	163	1.450 .50	20
* Dowicil 75	Preservative	193	1.80 .40	16 8
MINUGEL Attagel 4 FG	Bulking Agent	8	2.7001.50	60 120
Portland cement	pH Stabilizer	51& 136	1.360 .40	16
Aluminum Sulfate	pH Stabilizer	52	1.360 .40	16
Pyrophyllite SK	Bulking Agent	--	4.5005.00	200
Sorbitol (powdered)	Borax Stabilizer	--	10.48 .10	4 3
Hamico 267	Adhesive	23	1.401 1.00	40
			100.00	4000 4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White

Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

*Troysan PMA-10-SEP may be substituted. Use at a loading of 8 lbs/batch.

WNG/ jg

-/ denotes change

1/2 MTHOCCEL 4M MAY BE SUBSTITUTED IN A
 - CHLORIDE TENSILE STRENGTH IS USED.

7/10/17/1977
~~May 21, 1976~~
Supersedes Formula C-979
~~NEW~~ DATED 5/21/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX JOINT COMPOUND C-979 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing. (Special asbestos free formula for all one gallon ready mix and selective five gallon shipment only.)

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Filler C-978	Filler	--	92.8	1950.0
Elvace 1875 <i>CP 200</i>	Adhesive	185	6.5	136.0 (15.25 gals.)
Nalco 71D-5	Defoamer	125	.2	4.0
Acrysol ASE-60	Thickener	147	.5	10.0 <i>133</i>
<i>/</i> *Water	Solvent	--	--	<i>1104</i> 1120.0 (135 gals.)
			100.0	3220.0** <i>3204</i>

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

** One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) Elvace ~~1875~~ *CP 200*
 - 3) Nalco
 - 4) Filler C-978
 - 5) Mix until filler is dispersed
 - 6) Add Acrysol ASE-60
 - 7) Mix until Ready Mix is smooth - pumping viscosity should be 480 $\pm$ 20 to allow for 24 hour viscosity build of 100 pts.

WORKING CONSISTENCY
Specifications for
Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For Machine tools add 7 gallons H₂O (400 $\pm$ 20)

pH Minimum - 9.0 Maximum - 10.0 (24 hrs.)

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

WNG:gvp

Continued on Page 2...

SGP 0018540

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

April 22, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ~~THIS COPY~~

Closed

Enclosed please find the following Chicago, Illinois Plant
Formula revision:

C-956

ALL PURPOSE COMPOUND

NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-956

ALL PURPOSE COMPOUND

NEW

SIGNED W. N. H. PLANT _____ DATE 4/22/77

WNG
4/22/77

SGP 0018541

APRIL 22, 1977
~~May 10, 1976~~
Formula C-936-056
NEW

CHICAGO, ILLINOIS PLANT FORMULA
~~File Purpose~~ TOPPING COMPOUND G-936-C-956

FUNCTION OF PRODUCT - ~~File Purpose~~ TAPPING COMPOUND, EMULSION
Topping compound for finishing joints and spotting
nailheads. For FORMER SHIPMENT

ULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	126	0.100	4
Vancide	143	0.075	3
Natrosol 250 HXR	170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer Mill	196	.025	1
Limestone	13	81.550	3262
		100.000	4000

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	* - Dried compound shall match the color of a standard sample and be free of color streaks.			

WNG/gvp

SGP 0018542

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 21, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. G. F. Fowler - Marietta~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Please find enclosed the following Chicago, Illinois Plant Formula Revision:

C-978

READY MIX FILLER

REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-978

READY MIX FILLER

REVISED

SIGNED

W. n. G.

PLANT

DATE

3-4-77

WNG

3-21-77

SGP 0018543

11/10/77
 January 10, 1977
 Supersedes Formula C-978
 Dated: 12/1/76
 1/10/77

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	83.168	3696
Mica	Anti-cracking	11	7.314	325
*Galactasol 413-WD	Water Retention	163	.450	20
Troysan PMA-10-SEP	Preservative	-	.180	8
-/ Minugel FG	Bulking Agent	8	1.0 2.700	120 80
Portland Cement	pH Stabilizer	51 & 136	.360	16
Aluminum Sulfate	pH Stabilizer	52	.360	16
Pyrophyllite SK	Bulking Agent	-	4.500	200
Sorbitol (Powdered)	Borax Stabilizer	-	.068	3
Hamico 267	Adhesive	23	.900	40
			100.000	4444

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.		
<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
 Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
 Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

*Methocel K4M may be substituted on a temporary basis until inventory is used.

WNG/gvp

-/ denotes change

SGP 0018544

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 28, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

THIS COPY FOR

Please cancel the following Chicago plant formulas by removing them from your formula book:

C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED
C-978	READY MIX FILLER (FILLER X)	CANCELLED

Attached find the following Chicago plant formula revisions:

C-970	READY MIX FILLER	REVISED
C-971	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-972	READY MIX FILLER	REVISED
C-973	READY MIX FILLER (FILLER X)	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-975	READY MIX TOPPING COMPOUND (MACHINE)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-976	READY MIX JOINT COMPOUND	CANCELLED
C-978	READY MIX FILLER	CANCELLED
C-970	READY MIX FILLER	REVISED
C-971	READY MIX JOINT COMPOUND	REVISED
C-972	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND	REVISED
C-975	READY MIX TOPPING COMPOUND	REVISED

SIGNED W. J. G. PLANT DATE 5/28/75

WNG

SGP 0018545

March 25, 1974
Supersedes Formula C-976
Dated 3/8/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for
taping, topping, and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	-	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	0.1	2.00
Elvace 1875	Adhesive	5.0	103.00 (11.2 gals.)
Filler C-978	Filler	94.9	1950.00
		100.0	3079.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary
+ 8 gallons per batch.

**One batch yields 50 ± 1 five gallon pail Ready Mix joint compound
at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency,
a maximum of 5 cc water per 150 grams of
paste may be added to adjust.

Brabender: (580 ± 20) For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working,
and free of any coarse, gritty, or undis-
persed particles. Material shall be free
from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show
at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in
the wedge, and no cracks in the thinner
half of the wedge.

COLOR

- White
Dried compound shall match color of
standard sample.

WNG:jg

SGP 0018546

February 6, 1975
Supersedes C-978
Dated 1/16/75-

CANCEL

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 3000	Adhesive	162	.40	16.00
-/Gendriv 492S	Water retention aid	223	.75	30.00
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	13	<u>83.65</u>	<u>3346.00</u>
			100.00	4000.00

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications Maximum Minimum Average

57 53 55

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR - White
Specifications Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/ denotes change

WNG:elz

SGP 0018547

MAH 27, 1975
January 16, 1975
SUPERSEDES Formula C-970
-NEW DATED 1/14/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-971

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Asbestos 7RF09	Bulking agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvaton 6000	Adhesive	162	1.00	40.00
Gendriv 492S	Water retention aid	223	.75	30.00
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SC-210)	Bulking agent	4-18	1.25	50.00
Limestone	Filler	13	83.05	3322.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

* Asbestos 7RF 02 may be substituted, use at a loading of 2.75% (110 lbs/batch).

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-972 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-972.

WNG:jg

SGP 0018548

ANNY 2.7, 1975
January 16, 1975
supersedes Formula C-971
NEW DATED 1/16/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-971 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. ~~Special low cost formula.~~
For trial shipments only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	4.00
Elvace 1875	Adhesive	2.0	39.00 (4.4 gals.)
Filler C-970	Filler	97.8	1950.00
		100.0	3017.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 50 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (540 ± 20) For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG:jg

SGP 0018549

FORM 27.
March 7, 1975
SUPERSEDES Formula C-972
NEW DATED 3/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 6000	Adhesive	162	1.00	40.00
Gendriv 492S	Water retention aid	223	.85	34.00
Mica	Anti-cracking agent	11	9.50	380.00
Limestone	Filler	13	84.20	3368.00
			100.00	4000.00

<u>WORKING CONSISTENCY</u>	- Refer to Plant Testing Procedure No. 32.		
<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR - White
Specifications Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

★ ASBESTOS FILLER MAY BE SUBSTITUTED, USE AT A MAXIMUM OF 2.75% (110 LBS/BATCH)

WNG:elz

SGP 0018550

MAY 27, 1975
May 20, 1974
Supersedes: Formula C-973
Dated 3/6/74
5/10/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping joint compound C-974 & C-975.

FORMULA

-/

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
T.P. Blend Talc	Slip agent	-- 2	10.00	400.00
* Asbestos 7RF09	Bulking agent	9	7.00	280.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 3000 6000	Adhesive	162	1.00 .40	40.00 16.00
Gendriv 492S	Water retention aid	223	.50	20.00
Mica	Anticracking agent	11	8.00	320.00
Limestone	Filler	13	73.3 73.90	2932.2956.00
			100.00	4000.00

WORKING CONSISTENCY

Specifications:

- Refer to Plant Testing Procedure No. 32

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications:

- White

Dried compound shall match color of standard sample.

NOTE:

A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every sixth or seventh batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

* Asbestos 7RF09 was substituted with a load of 115 lb (115 lb substitution)
-/ denotes change

WNG:elz

SGP 0018551

March 25, 1974
Supersedes Formula C-974
Dated 3/7/74 - 3/25/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-974 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound used for topping and spotting nailheads.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	---	--	1000.00(125 gals)*
Nalco	Anti-foaming agent	---	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	---	5.4	141.00 (4.6 gals)
Filler C-973	Filler	---	94.5	112.00(12.4 gals)
			100.0	1950.00 2021
				3064.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 49 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

WNG:jg

SGP 0018552

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-975 (MACHINE TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound for taping, topping, and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Ratio</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	---	--	1048.00(131 gals)*
Nalco	Anti-foaming agent	1.25	0.1	2.00
Polyvinyl Acetate-Emulsion (preplasticized)	Adhesive	1.0	2.0	141.00
Filler C-973	Filler	19.5	5.4	112.00(12.4 gals)
			97.94.5	1950.00
			100.0	3112.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for Paste If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 400 $\pm$ 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

WNG:jg

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED W. J. 4 PLANT _____ DATE 5/8/75

WNG

SGP 0018554

MR 6

April 30, 1975

Formula C-903

NEW SUPERDUTY C-903 10-2-75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Varicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p10-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60	55	58

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0018555

SEPT 4, 1975
May 7, 1975
Supervisor's Formula C-953
NEW DATA 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing,
and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato1 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11 21.25	12.00	480 850
Limestone	Filler	13 72.1	81.45	3258 2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60-67	55-63	58-65

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very
small cracks in the wedge.

COLOR

Specifications:

- White or yellow*
Dried compound shall not vary in color from
preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0018556

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 31, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. E. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois Plant Formula revision:

C-970

READY MIX FILLER

REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970

READY MIX FILLER

REVISED

SIGNED

WNG

PLANT

DATE

11/4/75

WNG

SGP 0018557

N.44 6

April 30, 1975

Formula C-903 923

NEW

CHICAGO, ILLINOIS, PLANT FORMULA

~~TRIPLE DUTY JOINT COMPOUND C-903~~ 923

BEDDING

DESCRIPTION OF PRODUCT - ~~Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For trial shipment only. PERFORATED TAPE. NOT TO BE USED AS A TOPPING COMPOUND~~ ^{BEDDING} ^{USE WITH}

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR.	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler	13	81.45	3253
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White ~~or yellow*~~
Dried compound shall not vary in color from preceding batches.

* ~~For yellow compound, add 4 lbs. yellow oxide per batch.~~

WNG:jg

SGP 0018558

MAR 6

March 31, 1975

Formula C-933

NEW SUPERIOR C-933 7-1-1

514

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Pigment		.10	4
	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler	12	81.35	3254
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

WNG:elz

SGP 0018559

MAY 6

April 30, 1975

Formula C-903 953

NEW

CHICAGO, ILLINOIS, PLANT FORMULA

TRIPLE DUTY JOINT COMPOUND C-903 953

All Purpose

DESCRIPTION OF PRODUCT - All Multi-purpose compound for taping, finishing, and spotting nailheads, and texturing. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60	55	58

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0018560

CANCEL

December 5, 1974
Formula C-904
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads, and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvato1 6000	Adhesive	162	.85	34.0
Attagel 40	Fiber Filler	9	4.00	160.0
Mica p80-H	Anticracking agent	11	7.00	280.0
Limestone	Filler	--	86.75	3470.0
Gelvato1 3000	Adhesive	162	.85	34.0
			<u>100.00</u>	<u>4000.0</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow
Specifications: Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. of yellow oxide per batch.

WNG:jg

SGP 0018561

CANCEL

December 5, 1974
Supersedes Formula C-922
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-922

DESCRIPTION OF PRODUCT - Bedding compound for use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide 51Z	Fungicide	126	.05	2
Gelvato1 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.75	3470
Gelvato1 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4000</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from
preceding batches.

WNG:jg

-/ denotes change

CANCEL

December 5, 1974
Supersedes Formula C-935
Dated 11/5/74-

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ *Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.65	3466
Gelvaton 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4000</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - Yellow or white
Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

SGP 0018563

CHANGE

December 5, 1974
Supersedes Formula C-950
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-950

DESCRIPTION OF PRODUCT - All purpose compound for taping and finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Natrosol 250 HLR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvato1 6000	Adhesive	162	.85	34.0
Attagel 40	Fiber Filler	9	4.00	160.0
Mica p80-H	Anticracking Agent	11	7.00	280.0
Limestone	Filler	--	86.75	3470.0
Gelvato1 3000	Adhesive	162	.85	34.0
			<u>100.00</u>	<u>4000.0</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow
Dried compound shall not vary in color from preceding batches.

-/ *For yellow compound, add 4 lbs. of yellow oxide per batch.

-/ denotes change

WNG:jg

SGP 0018564

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

April 30, 1975

TO:

Alfred

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Enclosed please find the following Chicago, Illinois, Plant
Formula:

C-903 TRIPLE DUTY JOINT COMPOUND

NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903 TRIPLE DUTY JOINT COMPOUND

NEW

SIGNED W. H. - / PLANT _____ DATE 5/2/75

WNG

SGP 0018565

APRIL 30,
~~MARCH 31,~~ 1975
Formula C-933
NEW 903

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPKE DATE JCM Topping Compound C-933 903

DESCRIPTION OF PRODUCT - MULTI-PURPOSE TAPPING
~~Topping~~ compound for finishing, joints and spotting
nailheads. For trial shipment only.

FORMULA

ADD TEXTURING.

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3256
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and
free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - ~~W4.76~~ ~~Yellow~~ or ~~White~~ ~~*~~
Specifications: Dried compound shall not vary in color from preceding
batches.

* ~~For white compound, delete yellow oxide from batch~~
~~ADD 4 LBS. per~~

WNG:elz

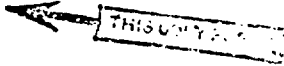
SGP 0018566

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 31, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab



Handwritten signature

Enclosed please find the following Chicago plant formula:

C-933

TOPPING COMPOUND

NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-933

TOPPING COMPOUND

NEW

SIGNED

WNG

PLANT

DATE

3-31-75

WNG

SGP 0018567

MA 224 31, 1975
~~December 5, 1974~~
 NEW Supersedes Formula C-935 933
~~Dated 11/5/74~~

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935 93

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads. FOR TRIAL SHIPMENT ONLY.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato 6000	Adhesive	162	1.00 .85	34 40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00 7.00	280 280
Limestone	Filler	--	81.35 86.65	3466 3254
Gelvato 3000	Adhesive	162	1.00 .85	34 40
HAMCO 267		23	100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications:	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

Closed

TO:

Enclosed please find the following Chicago plant formulas:

Please sign and return the attached tear sheet.

C-972	READY MIX FILLER	NEW
C-979	READY MIX JOINT COMPOUND	NEW

SIGNED 100 51 4 PLANT DATE 3-24-74

SGP 0018569

MARCH 7, 1975
~~January 16, 1975~~
Formula ~~C-971~~ C-979
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-971 (HAND TOOLS)

DESCRIPTION OF PRODUCT - ^{TAPING} White Ready Mix Joint Compound used for ^{BEDDING TAPE} ~~taping, topping, and texturing~~. Special low cost formula.
For trial shipments only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	4.00
Elvace 1875	Adhesive	2.0	39.00 (4.4 gals.)
Filler C-970 972	Filler	97.3	1950.00
		100.0	3017.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (540 ± 20) For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE

Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge. *100*
Testing shall be 4 or 5

COLOR

- White
Dried compound shall match color of standard sample.

WNG:jg

SGP 0018570

HARCH 7, 1975
~~January 16, 1975~~
Formula ~~C-970~~ C-972
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970 972

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-972				
FORMULA	Function	RM Spec	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvitol 6000	Adhesive	162	1.00	40.00
Gendriv 492S	Water retention aid	223	.85	34
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	138	4.2	168
			83.05	3322.00
			100.00	4000.00

WORKING CONSISTENCY Specifications	- Refer to Plant Testing Procedure No. 32.		
	Maximum	Minimum	Average
	57	53	55

WORKING PROPERTIES Specifications	- Refer to Plant Testing Procedure No. 33.
	Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR Specifications	- White
	Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-972 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-972.

WNG:jg

SGP 0018571

Closed

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Tigard Lab~~

← THE COPY FOR

Please cancel the following formula by removing it from your formula book:

Please sign and return the attached tear sheet.

C-978	READY MIX FILLER	REVISED
C-972	READY MIX FILLER (FILLER "X")	CANCELLED

SIGNED 11-11-51 PLANT _____ DATE 2-7-15

SGP 0018572

December 30, 1974
Formula C-972
NEW

CANCEL

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972 (FILLER "X")

DESCRIPTION OF PRODUCT - Experimental filler for Ready Mix joint compound
C-979 and C-977.

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 3000	Adhesive	162	.40	16.00
Gendriv 492S	Water retention aid	223	.75	30.00
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	13	<u>83.65</u>	<u>3346.00</u>
			100.00	4000.00

<u>WORKING CONSISTENCY</u>	- Refer to Plant Testing Procedure No. 32.		
<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

<u>WORKING PROPERTIES</u>	- Refer to Plant Testing Procedure No. 33.
<u>Specifications</u>	Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

<u>COLOR</u>	- White
<u>Specifications</u>	Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG:elz

SGP 0018573

January 16, 1975
Supersedes C-978
Dated 5/20/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-978 (FILLER "X")

-/DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RFO9	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
-/Gelvatol 3000	Adhesive	162	.40	16.00
	Water retention aid	170or223	.75	30.00
	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	13	<u>83.65</u>	<u>3346.00</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
----------------	----------------	----------------

57

53

55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR
Specifications

- White

Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

*~~Natrosol-250-HXR or Gendriv-492S~~

-/ denotes change

WNG:jg

SGP 0018574

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 16, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab ~~THIS COPY~~

Closed

Enclosed please find the following Chicago, Illinois, plant formulas:

C-970	READY MIX FILLER	NEW
C-971	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER (FILLER "X")	REVISED

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-977	READY MIX JOINT COMPOUND (MACHINE TOOLS)	CANCELLED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	NEW
C-971	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER (FILLER "X")	REVISED
C-977	READY MIX JOINT COMPOUND (MACHINE TOOLS)	CANCELLED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

SIGNED W. H. G. PLANT _____ DATE 1-20-75

WNG

SGP 0018575

Cancel

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX JOINT COMPOUND C-977 (MACHINE TOOLS)

DESCRIPTION OF PRODUCT: - White Ready Mix Joint Compound used for
taping, topping, and texturing.

FORMULA:

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1104.00 (138 gals.)*
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion	Adhesive	7.0	147.00 (16.3 gals.)
Preplasticizer			
Filler C-978	Filler	92.9	1950.00
		100.0	3203.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary
 $\pm$ 8 gallons per batch.

**One batch yields 97 $\pm$ 1 five gallon pail Ready Mix joint compound at
62 lbs/pail.

WORKING CONSISTENCY:

Specifications for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency,
a maximum of 5 cc water per 150 grams of
paste may be added to adjust.

Brabender: 400 $\pm$ 20

WORKING PROPERTIES:

Specifications:

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working,
and free of any coarse, gritty, or undis-
persed particles. Material shall be free
from lumps due to incomplete mixing.

BONDING PROPERTIES:

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show
at least 90% fiber tear when delaminated.

CRACK RESISTANCE:

Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in
the wedge, and no cracks in the thinner
half of the wedge.

COLOR:

Specifications:

- White
Dried compound shall match color of
standard sample.

-/ denotes change

WNG:elz

March 6, 1974

Supersedes Formula C-979

Dated 1/15/74

CHICAGO ILLINOIS PLANT FORMULA
READY MIX JOINT COMPOUND C-979 (HAND TOOLS)

DESCRIPTION OF PRODUCT

- White Ready Mix Joint Compound used for taping, topping and texturing.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Water	Solvent	-	1024.00* (128 gals)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	7.0	147.00 (16.3 gals.)
Filler C-978	Filler	92.9	1950.00
		<u>100.0</u>	<u>3123.00**</u>

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 53 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications for Paste: If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 $\pm$ 20

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

-/ BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE

Specifications:

Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

-/ denotes change

WNG:elz

SGP 0018577

JAN. 15, 1975
May 20, 1974
NEW FORMULA Supersedes C-978 C-970
Dated 3/6/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970 (FILLER "X")

C-970

C-971

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-979 and C-977

-/	FORMULA	Function	RM Spec	Percent	Lbs/Batch
	Asbestos 7RF09	Bulking Agent	9	4.25	170.00
	Dowicil 75	Fungicide	193	.20	8.00
GILKUSTON	Polyvinyl Alcohol 6000	Adhesive	162	1.00	40.00
	*Thickener GELDRIU 4925	Water retention aid	170 223	.75	30.00
	Mica	Anti-cracking agent	11	9.50	380.00
	Asbestos (SG-210)	Bulking agent	--	1.25	50.00
	Limestone	Filler	13 33.05	83.65	3346.00 3322
				100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

Maximum	Minimum	Average
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

*Natrocol 250 HXR or Gendry 4925

-/ denotes change

WNG:elz

SGP 0018578

JAN. 15, 1975
~~March 25, 1974~~
NEW Supersedes Formula C-976 971
Dated ~~3/8/74~~

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)
C-971

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for
taping, topping, and texturing. ~~SPECIAL LOW~~
~~COST FORMULA, FOR TRIAL ONLY~~

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	2.0	2.00 4.00
Elvace 1875	Adhesive	2.0	320 (4.4 gals.)
Filler C-973 970	Filler	97.8	1950.00
		100.0	3079.00**
			3017.00

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary
± 8 gallons per batch.

**One batch yields 50 ± 1 five gallon pail Ready Mix joint compound
at 62 lbs/pail.

WORKING CONSISTENCY

Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency,
a maximum of 5 cc water per 150 grams of
paste may be added to adjust.

Brabender: ⁵⁴⁰~~(580 ± 20)~~ For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working,
and free of any coarse, gritty, or undis-
persed particles. Material shall be free
from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show
at least 90% fiber tear when delaminated.

CRACK RESISTANCE

Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in
the wedge, and no cracks in the thinner
half of the wedge.

COLOR

- White
Dried compound shall match color of
standard sample.

WNG:jg

JAN 15, 1975
May 20, 1974
Supersedes C-978
Dated 3/6/74
5/20/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-978 (FILLER "X")

C-976

DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-979 and C-977

<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
GELVATOR Polyvinyl Alcohol 3000	Adhesive	162	.40	16.00
*Thickener	Water retention aid	170 or 223	.75	30.00
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	13	83.65	3346.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

*Natrosol 250 HXR or Gendriv 492S

-/ denotes change

WNG:elz

SGP 0018580

GPS



GEORGIA

CIFIC CORPORATION

ROUND TRIP LETTER

TO	Judy rpe - Tigard 0	DATE	July 28, 1975
		SUBJECT	
FROM	Mr. M. A. Palmowski - Chicago		
MESSAGE			
In checking the files we find that we have not yet received the			
tear sheet from you for the following Plant Formula Revision:			
C-972 & C-979 dated March 10, 1975.			
If you have received the above, please sign and return the tear			
sheet or sign and return this note. Thank you.			
SIGNED <i>Hubert Hone</i>			
REPLY			
SIGNED			

MAT NO. 00306

THIS PAGE MUST BE RETURNED TO SENDER

268482

SGP 0018581



GEORGIA-

FIC CORPORATION

ROUND TRIP LETTER

FROM Judy Ge - Tigard	DATE July 28, 1975
	SUBJECT
TO Mr. G. F. Fowler - Marietta	
MESSAGE In checking the files we find that we have not yet received the tear sheet from you for the following Plant Formula Revisions: C-933 dated March 31, 1975; TEX-976 dated March 31, 1975. If you have received the above, please sign and return the tear sheet or sign and return this note. Thank you. RECEIVED AUG 07 1975 SIGNED	
REPLY Both of the above were superseded by newer formulations, so I don't have the formulas any more. Consider that I have received them with this note. SIGNED <i>George Fowler</i>	

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 5, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, plant
formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED W. A. H. PLANT _____ DATE 9/8/75

WNG

SGP 0018583

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 14, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois Plant Formula revision:

C-923

BEDDING COMPOUND

REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-923

BEDDING COMPOUND

REVISED

SIGNED

W. H. Geller

PLANT

DATE

10/14/75

WNG

SGP 0018584

OCT. 13, 1975
 May 7, 1975
 Supersedes Formula C-923
 NEW DATED 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11 21.25	12.00	480 850
Limestone	Filler	13 72.1	81.45	3258 2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60 67	55 63	58 65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0018585

SCF, 11,
 May-7, 1975
 Supersedes Formula C-933
 Dated 3/31/75
 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

-/ DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11 21.25	12.00	480- 850
Limestone	Filler	13 72.1	81.35	3254 2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60 67	55-63	58-65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SC 114,
 May 7, 1975
 Supersedes Formula C-903
 Dated 4/30/75
 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

-/ DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 4	Fiber Filler	9	4.00	160
Mica p80-1	Anticracking agent	11	21.25	480 850
Limestone	Filler		72.1	3258 2854
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications:	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60 67	55 63	58 65

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
 Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
 After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow*
 Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

SGP 0018587

007 31, 1975
 May 27, 1975
 Supersedes: Formula C-970
 Dated: 1/16/75
 5/27/75

FORMULA

RAW MATERIAL	FUNCTION	R.M. SPEC	PERCENT	LB/BATCH
ASBESTOS SG 210	BULKING AGENT	18	1.75	70.00
ASBESTOS 7RF-02	BULKING AGENT	9	1.75	70.00
DOWICIL 75	PRESERVATIVE	193	.40	16.00
HAMICO 267	ADHESIVE	23	1.00	40.00
NATROSON 250 HIR	WATER RETENTION AID	170	.50	20.00
MICA P 80-F	ANTI-CRACKING	11	7.00	300.00
SERIBIT MICA GP-F-2	MICA - EXTENDER	—	12.00	480.00
SERIBIT MICA GP-F-2	MICA - EXTENDER	—	12.00	480.00
SORBITOL	BORAX STABILIZER	—	.10	4.00
LIMESTONE	FILLER	13	75.10	3004.00
			100.00	4000.00

COLOR

Specifications

- White
 Dried compound shall match color of standard sample.

NOTE:

A wet mix of the filler shall be prepared according to Formula No. ~~C-972~~ at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-~~972~~
 971

-/ *Asbestos 7RF02 may be substituted. Use at a loading of 2.75% (110 lbs/batch).

-/ denotes change

WNG:elz

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 31, 1975

FOR:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois Plant
Formula revisions:

C-971	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheets.

TO: TIGARD GYPSUM LAB

C-971	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED *WNG* PLANT _____ DATE *11/6/75*
WNG

SGP 0018589

007.21

May 27, 1975

Supersedes: C-971

Dated 1/16/75 5/27/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-971 (HAND TOOLS)

<u>FORMULA</u> <u>RAW MATERIAL</u>	<u>FUNCTION</u>	<u>R.M. SPEC</u>	<u>PERCENT</u>	<u>LBS/BATCH</u>
WATER	SOLVENT	—	—	1024.0 (128 gal)
WAXED	DEFOAMER	125	.10	2.0 (11.25 gal)
** SORBICOL	BORAX STABILIZER	—	.14	2.8
EWAGE 1875 FILLER C-970	ADHESIVE	85	5.0	100.0
FILLER C-970	FILLER	—	IF 94.76	1888.2
				3017.0 **

at 62 lbs/pail. 11ve gallon pail Ready Mix joint compound

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: ⁵⁸⁰~~(540)~~ ± 20) For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG:elz -/ denotes change

SGP 0018590

October 31, 1975
Formula Supersedes: C-976
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. For shipment to Eastern market areas.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	-- 1000	1080.00 (130 gals.)*
Nalco	Anti-foaming agent	.1 2.0	2.00 (11.5
Airflex 510	Adhesive	5.0 103	103.00 (11.5gals.)
Filler C-970	Filler	94.9 1950	1950.00
		100.0	3135.00** 3135.00

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG:elz -/ denotes change

SGP 0018591

OCT. 31,
~~May 27, 1975~~
Formula A Supersedes: ~~C-971C-976~~
~~NEW~~
Dated 1/16/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. ~~FOR SHIPMENT TO CANS~~
~~WORKER AREAS~~

<u>FORMULA</u>			
<u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	2.00
Blended AIRFLAX 500	Adhesive	5.0 2.0	100.00 (4.4 gals.)
Filler C-970	Filler	94.9 97.0	1950.00 1891.00
		100.0	3017.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications If paste is not proper working consistency, for Paste a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: ⁵⁸⁰ (~~540~~ $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR - White
Dried compound shall match color of standard sample.

WNG:elz -/ denotes change

SGP 0018592

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED 11/16 PLANT _____ DATE 12/3/75
WNG

SGP 0018593

Dec. 1, 1975
September 4, 1975--
Supersedes Formula C-903
Dated 5/7/75
9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
-/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler		72.20	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

-/ Specifications:	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

SGP 0018594

October 13, 1975
Supersedes Formula C-923
Dated 5/7/75

10/13/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	850
Limestone	Filler	13	72.1	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0018595

Dec 1, 1975
September 4, 1975
Supersedes Formula C-933
Dated 5/7/75
9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	1
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato1 6000	Adhesive	162	1.00	4
Attagel 40	Fiber Filler	9	4.00	160
6 Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	1371.9	72.1	2884 2876
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
40	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SGP 0018596

DCS 1,1075
September-4, 1975
Supersedes Formula C-953
Dated 5/7/75
9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-953

DESCRIPTION OF PRODUCT - All purpose compound for taping, finishing,
and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
-/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	13	72.072.20	2888
Hamico 267	Adhesive	23	1.00	40
			<u>100.00</u>	<u>4000</u>

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
-/	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from
preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

-/ denotes change

SGP 0018597

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 12, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revision:

C-976 READY MIX JOINT COMPOUND (HAND TOOLS) REVISED

Please cancel the following Chicago, Illinois, Plant Formula by
removing it from your formula book:

C-971 READY MIX JOINT COMPOUND (HAND TOOLS) CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPUM LAB

C-976 READY MIX JOINT COMPOUND (HAND TOOLS) REVISED
C-971 READY MIX JOINT COMPOUND (HAND TOOLS) CANCELLED

SIGNED W. J. 4 PLANT _____ DATE 2/13/76

WNG

SGP 0018598

October 31, 1975
Supersedes: C-971
Dated 5/27/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-971 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. For shipment to western market areas.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	--	1080.0 (130 gals.)
Nalco	Defoamer	125	.10	2.0
**Sorbitol	Borax Stabilizer	--	.14	2.9
Elvace 1875	Adhesive	185	5.0	103.0 (11.5 gals.)
Filler C 970	Filler	--	94.76	1950.1
			100.00	3138.0***

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.)

**Powdered Sorbitol may be substituted at 2 lbs/batch (.1%).

***One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32. If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE

- Refer to Plant Testing Procedure No. 37. There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG:gvp

-/ denotes change

SGP 0018599

October 31, 1975
Formula Supersedes: C-976
NEW 10/21/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. For shipment to Eastern market areas.

FORMULA

Raw Material

	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1080.00 (130 gals.)*
Nalco	Anti-foaming agent	.1	2.00 14.0
Airflex 510	Adhesive	6.0 5.0	103.00 (11.5 gals.)
Filler C-970	Filler	93.0 94.9	1950.00 14.0
		100.0	3135.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields ~~50~~^{51 $\pm$ 1} five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specifications
for Paste

- Refer to Plant Testing Procedure No. 32. If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE

Specifications

- Refer to Plant Testing Procedure No. 37. There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

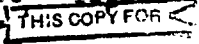
WNG:elz -/ denotes change

SGP 0018600

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 23, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab  

Enclosed please find the following new Chicago, Illinois Plant Formula:

C-973	READY MIX FILLER	NEW
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Please cancel the following Chicago, Illinois Plant Formulas by removing them from your formula book:

C-972	READY MIX FILLER	CANCEL
C-975	READY MIX TOPPING COMPOUND (MACHINE TOOLS)	CANCEL
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCEL

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-973	READY MIX FILLER	NEW
C-972	READY MIX FILLER	CANCEL
C-975	READY MIX TOPPING COMPOUND (MACHINE TOOLS)	CANCEL
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCEL

SIGNED W. N. H. PLANT _____ DATE 3/24/76

WNG

SGP 0018601

MARCH 23, 1976

October 31, 1975

Supersedes: Formula ~~C-970~~ C-973

Dated: 5/27/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970 ~~C-973~~

DESCRIPTION OF PRODUCT - Filler for Ready Mix ^{TOPPING} joint compound ~~C-971 & C-976~~
C-974

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos SG210	Bulking Agent	18	1.75	70.00
* Asbestos 7RF02	Bulking Agent	9	1.75	70.00
Dowicil 75	Preservative	193	1.00	16.00 8.00
Hamico 267	Adhesive	23	1.00	40.00
Natrosol 250 HXR	Water Retention Aid	170	7.50	20.00 30.00
Mica P80-F	Anti-Cracking	11	7.50	300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00
Limestone	Filler	13	76.05 75.10	3004.00 3042.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications-

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-~~971~~ 974 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-~~971~~.

974

-/ denotes change

WNG:gvp

SGP 0018602

May 27, 1975
Supersedes: Formula C-973
Dated: 5/20/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping joint compound C-974 & C-975.

FORMULA

-/

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
T.P. Blend Talc	Slip agent	2	10.00	400.00
*Asbestos 7F 09	Bulking agent	9	7.00	280.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 60 0	Adhesive	162	1.00	40.00
Gendriv 492	Water retention aid	223	.50	20.00
Mica	Anticracking agent	11	8.00	320.00
Limestone	Filler	13	<u>73.30</u>	<u>2932.00</u>
			100.00	4000.00

WORKING CONSISTENCY

Specifications:

- Refer to Plant Testing Procedure No. 32

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.

Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications:

- White

Dried compound shall match color of standard sample.

NOTE:

A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every sixth or seventh batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

-/

*Asbestos 7RF-02 may be substituted. Use at a loading of 4.5% (180 lbs/batch).

WNG:elz

-/ denotes change

SGP 0018603

May 27, 1975
Supersedes C-972
Dated: 3/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-972

DESCRIPTION OF PRODUCT - Filler for Ready Mix taping compound C-979.

<u>-/ FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
* Asbestos 7RF09	Bulking agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 6000	Adhesive	162	1.00	40.00
Gendriv 492S	Water retention aid	223	.85	34.00
Mica	Anti-cracking agent	11	9.50	380.00
Limestone	Filler	13	84.20	3168.00
			100.00	4000.00

<u>WORKING CONSISTENCY</u>	<u>- Refer to Plant Testing Procedure No. 32.</u>		
<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR - White
Specifications Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

-/ *Asbestos 7RF-02 may be substituted. Use at a loading of 2.75% (110 lbs/batch).

WNG:elz

-/ denotes change

SGP 0018604

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-975 (MACHINE TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound for taping, topping, and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	--	1048.00(131 gals)*
Nalco	Anti-foaming Agent	125	0.1	2.00
Elvace 1875	Adhesive	185	2.0	41.00 (4.6 gals)
Filler C-973	Filler	--	<u>97.9</u>	<u>2021.00</u>
			100.0	3112.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for Paste If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 400 $\pm$ 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR - White
Specifications: Dried compound shall match color of standard sample.

WNG:elz

-/ denotes change

March 7, 1975
Formula C-979
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-979 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Taping Compound used for bedding tape. Special formula. For trial shipments only.

<u>FORMULA</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	4.00
Elvace 1875	Adhesive	2.0	39.00 (4.4 gals.)
Filler C-972	Filler	97.8	1950.00**
		100.0	3017.00**

*Approximately 56.5 lbs/100 lbs of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five-gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications for If paste is not proper working consistency, a
Paste maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (540 $\pm$ 20) For machine tools add 10 gallons water (400 $\pm$ 20)

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications Ratings shall be 4 or better.

COLOR - White
Dried compound shall match color of standard sample.

WNG:elz

SGP 0018606

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 24, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR ←

Enclosed please find the following Chicago, Illinois plant formula revisions:

C-970	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED W. H. H. PLANT _____ DATE 3/25/76

WNG

SGP 0018607

October 31, 1975
Supersedes: Formula C-970
Dated: 5/27/75

10/31/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

-/ DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-971 & C-976

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos SG210	Bulking Agent	18	1.75	70.00
-/ *Asbestos 7RF02	Bulking Agent	9	1.75	70.00
Dowicil 75	Preservative	193	.40	16.00
Hamico 267	Adhesive	23	1.00	40.00
Natrosol 250 HXR	Water Retention Aid	170	.50	20.00
Mica P80-F	Anti-Cracking	11	7.50	300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00
Limestone	Filler	13	75.10	3004.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

-/ denotes change

WNG:gvp

SGP 0018608

May 27, 1975
Supersedes Formula C-974
Dated 3/25/74

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-974 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Topping Compound used for topping and spotting nailheads.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	--	1000.00 (125 gals)*
Nalco	Anti-foaming Agent	125	0.1	2.00
Elvace 1875	Adhesive	185	4.5	92.00 (10.3 gals)
Filler C-973	Filler	95.4	97.9	2021.00 1950.0
			100.0	3064.00**
				3124

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields ~~49~~ $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail. 50

WORKING CONSISTENCY

Specifications for Paste: - Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 $\pm$ 20

FOR MACHINE TONGS ADD 6 GALLONS H₂O (400 $\pm$ 20)

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE

Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

WNG:elz

-/ denotes change

SGP 0018609

MARCH 23, 1976
~~February 12, 1976~~
Supersedes Formula C-976
Dated ~~10/31/75~~
2/12/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing. ~~Airflex loading to be reduced to 5% (103 lbs/batch) April 1, 1976.~~

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1080.00 (130 gals.)*
Nalco	Anti-foaming agent	.1	2.00
Airflex 510	Adhesive	6.0	124.00 (14.0 gals.)
Filler C-970	Filler	<u>93.9</u>	<u>1950.00</u>
		100.0	3156.00**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

✶ **One batch yields 51 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 ± 20) For machine tools add 10 gallons H₂O. (400 ± 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG:jg

-/ denotes change

SGP 0018610

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 10, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. C. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. V. - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab 

Closed

Enclosed please find the following Chicago, Illinois Plant Formula revision:

C-970	READY MIX FILLER	REVISED
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Also, please find the following NEW Chicago, Illinois Plant Formula:

C-936	TOPPING COMPOUND	NEW
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Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	REVISED
C-936	TOPPING COMPOUND	NEW

SIGNED W. N. J. PLANT _____ DATE 6/22/76

WNG
5/10/76

SGP 0018611

10 1976
May 27, 1975
Formula Supersedes AK-956 C-936
Dated 8/14/74 NEW

CHICAGO, ILLINOIS,
AKRON, NEW YORK, PLANT FORMULA
TOPPING WHITE ALL PURPOSE COMPOUND AK-956 C-936

DESCRIPTION OF PRODUCT - ~~White joint compound for taping and finishing joints and spotting nailheads.~~ TOPPING

-/ FORMULA

Raw Material	RM Spec	Percent	Lbs/Batch
Petro AD	126	0.100	4
Vancide	143	0.075	3
Methocel 228	163 170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
*Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer M111	196	.025	1
Limestone	13	81.550	3262
		100.000	4000

SPECIFICATIONS	- Testing Procedure	Maximum	Minimum	Average
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 -	Wet mix shall be plastic working and free of grit or coarse particles.		
Crack Resistance	No. 37 -	There shall be at most only a couple of fine cracks in the wedge.		
Color	-	Dried compound shall match the color of a standard sample and be free of color streaks.		

-/ *Asbestos 7RF9 may be substituted. Use at a loading of 5% (200 lbs/batch).

WNG:elz

-/ denotes change

SGP 0018612

March-23, 1976 MAY 10, 1976

Supersedes: Formula C-970

Dated: 10/31/75

3/22/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

-/ DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos SG210	Bulking Agent	18	1.75	1.575 70.00
*Asbestos 7RF02	Bulking Agent	9	1.75	1.575 70.00
Dowicil 75	Preservative	193	.40	.360 16.00
Hamico 267	Adhesive	23	1.00	.900 40.00
Natrosol 250 HXR	Water Retention Aid	170	.50	.450 20.00
Mica P80-F	Anti-Cracking	11	7.50	6.75 300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	10.80 480.00
Limestone	Filler	1377.588	75.10	3004.00 3448.0
			100.00	4000.00 4444.0

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

-/ denotes change

WNG:gvp

SGP 0018613

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 21, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. C. F. Fowler - Marietta~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following NEW Chicago, Illinois Plant Formulas:

C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-979, Page 2	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER	NEW

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-979, Page 2	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER	NEW

SIGNED W. A. H. PLANT _____ DATE 6/7/76

WNG

SGP 0018614

MAY 21
~~April 27, 1976~~
Formula ~~M-976~~ C-978
NEW

CHICAGO, ILLINOIS
MARIETTA, GEORGIA, PLANT FORMULA
READY MIX FILLER M-976 C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound ~~M-975~~ C-979

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Patch</u>
Limestone	Filler	13	81.50	4075 320
Mica	Anti-cracking	11	10.00	500 400
Methocel K4M	Water Retention	163	.50	25 20
Cosan JTA 20	Preservative	193	.10	5 4
Attagel 40	Bulking Agent	8	1.00	50 40
Portland Cement	pH Stabilizer	51&136	.40	20 16
Aluminum Sulfate	pH Stabilizer	52	.40	20 16
Pyrophyllite SK	Bulking Agent	--	5.00	250 200
Sorbitol (powdered)	Borax Stabilizer	--	.10	5 4
Hamico 267	Adhesive	23	1.00	50 40
			100.00	5000 4000

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula ~~M-975~~ at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. ~~M-975~~

C 979

WNG:jg

SGP 0018615

UAY 20

April 27, 1976

Formula M-975 C 979

NEW

CHICAGO

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX JOINT COMPOUND M-975 (HAND TOOLS)

C-979				
DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing. (Special asbestos free formula for selective shipment only.) ALL ONE GALLON READY MIX ADD SELECTED 51-62				
FORMULA	Function	RM Spec	Percent	Lbs/Batch
Raw Material				
Filler M-976 C-978	Filler	--	92.8	1950.0
Elvace 1975	Adhesive	185	6.5	136.0 (15.25 gals.)
Nalco 71D-5	Defoamer	125	.2	4.0
Acrysol ASE-60	Thickener	147	.5	10.0
*Water	Solvent	--	--	1120.0 (135 gals.)
			100.0	3220.0**

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS

- Blend ingredients in following order:
 - 1)Water
 - 2)Elvace 1875
 - 3)Nalco
 - 4)Filler M-976 C-978
 - 5)Mix until filler is dispersed
 - 6)Add Acrysol ASE-60
 - 7)Mix until Ready Mix is smooth - pumping viscosity should be 480 ± 20 to allow for 24 hour viscosity build of 100 pts.

WORKING CONSISTENCY
Specifications for
Paste

- Refer to Plant Testing Procedure No. 32. If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For Machine tools add 7 gallons H₂O (400 $\pm$ 20)

pH Minimum - 9.0 Maximum - 10.0 (24 hrs.)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

WNG:jg

Continued on Page 2...

SGP 0018616

MAY 20

~~April 27~~, 1976

Formula ~~M-975~~ C-979

Page 2

NEW

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show
at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37.
Rating shall be 4 or better.

COLOR
Specifications

- White
Dried compound shall match color of
standard sample.

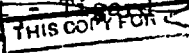
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SGP 0018617

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

June 9, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehmer - Tigard~~
Tigard Lab 

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Enclosed please find the following Chicago, Illinois Plant Formula revision:

C-978

READY MIX FILLER

REVISED

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-978

READY MIX FILLER

REVISED

SIGNED W. A. G. PLANT _____ DATE 6/22/76

WNG

SGP 0018618

July 9, 1976
May 21, 1976
Supervisor Formula C-978
NEW DATED 5/21/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-979..

<u>FORMULA</u>		<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
<u>Raw Material</u>					
-/ Limestone	Filler	13	81.081.50		3260 - 3240
Mica	Anti-Cracking	11	10.00		400
Methocel K4M	Water Retention	163	.50		20
Cosan JTA 20	Preservative	193	.10		4
-/ Attagel 40	Bulking Agent	8	1.51.00		60 40
Portland Cement	pH Stabilizer	51& 136	.40		16
Aluminum Sulfate	pH Stabilizer	52	.40		16
Pyrophyllite SK	Bulking Agent	--	5.00		200
Sorbitol (powdered)	Borax Stabilizer	--	.10		4
Hamico 267	Adhesive	23	1.00		40
			100.00		4000

<u>WORKING CONSISTENCY</u> <u>Specifications</u>	- Refer to Plant Testing Procedure No. 32.		
	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	62	58	60

<u>WORKING PROPERTIES</u> <u>Specifications</u>	- Refer to Plant Testing Procedure No. 33.	
	Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.	

<u>COLOR</u> <u>Specifications</u>	- White	
	Dried compound shall match color of standard sample.	

NOTE: A wet mix of the filler shall be prepared according to Formula C-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-979.

WNG/gvp

SGP 0018619

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

July 14, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
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Enclosed please find the following Chicago, Illinois Plant Formula revisions:

C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED

SIGNED W. J. A. PLANT _____ DATE 7/26/76

WNG

SGP 0018620

7010 12.1.76
 March-23, 1976
 Supersedes: Formula C-973
 Dated: 5/27/76
 3/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-973

DESCRIPTION OF PRODUCT - Filler for Ready Mix Topping compound C-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos SG 210	Bulking Agent	18	1.75	70.00
Asbestos 7RF02	Bulking Agent	9	1.75	70.00
Dowicil 75	Preservative	193	.20	8.00
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00
Mica P80-F	Anti-Cracking	11	7.50	300.00
Sericite Mica GP-F-2	Mica-Extender	-	12.00	480.00
Limestone	Filler	13	75.95-76.05	3042.00
			100.00	4000.00

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR

Specifications

- White
 Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-974 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-974.

WNG:gvp

SGP 0018621

March-23, 1976
Supersedes Formula C-974
Dated: 5/27/75

3/23/75

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX TOPPING COMPOUND C-974 (HAND TOOLS)

DESCRIPTION OF PRODUCT

- White Ready Mix Topping Compound used for topping and spotting nailheads.

↗ FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	--	1080.00 (130 gals)*
Nalco	Anti-foaming Agent	125	0.1	2.00
-/ Airflex-510 104cc 1975	Adhesive	185	4.5	92.00 (10.3 gals)
Filler C-973	Filler		95.4	1950.00
			100.0	3124.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch).

**One batch yields 50 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY

Specification for Paste:

- Refer to Plant Testing Procedure No. 32.
If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: 580 $\pm$ 20

For machine tools add 6 gallons H₂O (400 $\pm$ 20)

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles.
Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall show at least 75% fiber tear when delaminated.

CRACK RESISTANCE

Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

WNG:gvp

-/ denotes change

SGP 0018622

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

July 21, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Leimert - Tigard~~
Tigard Lab ← THIS COPY FOR

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Enclosed please find the following Chicago, Illinois Plant Formula revisions:

C-970	READY MIX FILLER	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED W. A. Petto PLANT _____ DATE 7/26/76

WNG

SGP 0018623

May 10, 1976

Supersedes: Formula C-970

Dated: 5/23/76

5/10/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX FILLER C-970

-/ DESCRIPTION OF PRODUCT - Filler for Ready Mix joint compound C-976.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Asbestos SG210	Bulking Agent	-	.090	4.00
Asbestos SG210	Bulking Agent	18	1.575	70.00
*Asbestos 7RF02	Bulking Agent	9	1.575	70.00
Dowicil 75	Preservative	193	.360	16.00
-/ Hamico 267	Adhesive	23	.900, 585	40.00 26.00
Natrosol 250 HXR	Water Retention Aid	170	.450	20.00
Mica P80-F	Anti-Cracking	11	6.751	300.00
Sericite Mica GP-F-2	Mica-Extender	-	10.801	480.00
-/ Limestone	Filler	13 77.80	13 77.588	3448.00 3450
			100.00	4444.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty, or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. C-971 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. C-971.

-/ denotes change

WNG:gvp

SGP 0018624

7 JUL 21
March 23, 1976
Supersedes Formula C-976
Dated 2/12/76
3/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
READY MIX JOINT COMPOUND C-976 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping, and texturing.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent	--	1080.00 (130 gals.)*
Nalco	Anti-foaming agent	.1	2.00
-/ Airflex 510 <i>CLUDGE 1875</i>	Adhesive	6.4 6.0 134	124.00 (15.0 gals.)
-/ Filler C-970	Filler	93.5 93.9	1950.00
		100.0	3156.00** 3166

*Approximately 56.5 lbs/100 lbs. of active ingredients (this may vary $\pm$ 8 gallons per batch.

**One batch yields 51 $\pm$ 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

WORKING CONSISTENCY
Specifications
for Paste

- Refer to Plant Testing Procedure No. 32. If paste is not proper working consistency, a maximum of 5 cc water per 150 grams of paste may be added to adjust.

Brabender: (580 $\pm$ 20) For machine tools add 10 gallons H₂O. (400 $\pm$ 20)

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 90% fiber tear when delaminated.

CRACK RESISTANCE
Specifications

- Refer to Plant Testing Procedure No. 37. There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

COLOR

- White
Dried compound shall match color of standard sample.

WNG: gvp

-/ denotes change

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