PLAINTIFF'S EXHIBIT

GP-435

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~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Potraline - Wilmington~~
~~Mr. C. W. Lehnert - 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. N. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

SGP 0018160.01

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

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. N. G. PLANT _____ DATE 1-21-76

WNG

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. C. W. Lehnert~~ - Tigard
Tigard Lab

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 _____ PLANT _____ DATE 1-20-75

WNG

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

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. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab THIS COPY FOR

September 2, 1977

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. N. Y PLANT _____ DATE 9/2/77

WNG/9/2/77

SGP 0018163

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
Tiga d Lab

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 _____ PLANT _____ DATE 5/29/75

WNG

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 16, 1978

TO:
Mr. M. A. Palmowski - Chicago
~~Mr. G. F. Fowler - Marietta~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Va - 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. Frame PLANT _____ DATE 2-16-78

HCF
2/16/78

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 21, 1976

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 ← THIS COPY OR

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. M. H. PLANT _____ DATE 6/7/76

WNG

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 6, 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

Enclosed please find the following Chicago joint system formula revisions:

C-978	READY MIX FILLER	REVISED

Please cancel the following formula by removing it from your formula book:

C-972	READY MIX FILLER ("X")	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-978	READY MIX FILLER	REVISED
C-972	READY MIX FILLER (FILLER "X")	CANCELLED

SIGNED _____ PLANT _____ DATE _____

WNG

SGP 0018167

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

August 2, 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 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 Robert Towers PLANT _____ DATE 8-3-77

HCF
8/2/77

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

June 9, 1976

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 THIS COPY FOR

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. N. G. PLANT _____ DATE 6/22/76

WNG

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 4-4-77
WNG
3-21-77

SGP 0018170

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 23, 1978

Closed

TO:
~~Mr. M. A. Palmowski - Chicago~~
~~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 Chicago, Illinois, Plant Formula revisions:

C-970	READY MIX FILLER	REVISED
C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-977	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
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-977	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS	REVISED

SIGNED Herbert C. Jones PLANT _____ DATE 2-23-78

HCF
2/23/78

February 15, 1978
Supersedes Formula C-978
Dated: 8/31/77

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-~~979~~ 977+979

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	84.811	3769
Mica	Anti-cracking	11	7.314	325
METHOCEL ~~Natrosol 250 HXR~~ 856-5	Water Retention	170	.450	20
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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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 lbs/batch). When Proxcel is not used.

-/ denotes change

HCF:jr

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 2, 1978

TO:

Mr. M. A. Palrowski - Chicago
~~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

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

C-970	READY MIX FILLER	CANCELLED
C-971	READY MIX TOPPING COMPOUND	CANCELLED
C-977	READY MIX JOINT COMPOUND	CANCELLED
C-978	READY MIX FILLER	CANCELLED
C-979	READY MIX JOINT COMPOUND	CANCELLED
C-973	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-970	READY MIX FILLER	CANCELLED
C-971	READY MIX TOPPING COMPOUND	CANCELLED
C-977	READY MIX JOINT COMPOUND	CANCELLED
C-978	READY MIX FILLER	CANCELLED
C-979	READY MIX JOINT COMPOUND	CANCELLED
C-973	READY MIX FILLER	REVISED

SIGNED Hubert Thomas PLANT LAB DATE 5-3-78
HCF
5/2/78

SGP 0018173

February 22, 1978
Supersedes Formula C-978
Dated: 2/15/78

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-977 & 979.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	84.811	3769
Mica	Anti-cracking	11	7.314	325
-/ Methocel 856-S	Water Retention	170	.450	20
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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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 lbs/batch). When Proxcel is not used.

-/ denotes change

HCF:jr

October 21, 1970 -
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

-/ DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA:	Function	R.M. Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	193	4.25	170.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	83.10	3324.00
Calgon T	Slip agent	-	.25	10.00
Talc (Glacial 325)	Slip agent	-	2.00	80.00
			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 in this reissue.

EDO:ele

November 18, 1971
Supersedes Formula No. C-978
Dated 10/21/70

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	- Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	193	4.25	170.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	. 11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	85.10	3404.00
Calgon T	Slip agent	-	.25	10.00
			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 in this reissue.

EDO:dek

January 17, 1972
Supersedes Formula No. C-978
Dated 11/18/71

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	- Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	193	4.25	170.00
* Dowicil 100	Fungicide	193	.15	6.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			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 in this reissue.

EDO:dek

April 14, 1972
Supersedes Formula No. C-978
Dated 1/17/72

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	9	4.25	170.00
* Dowicil 100	Fungicide	193	.15	6.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
Natrosol	Water Retention aid	170	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			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 in this reissue.

EDO:dek

March 13, 1973
Supersedes Formula No. C-978
Dated 4/14/72

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	- Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	9	4.25	170.00
* Dowicil 100	Fungicide	93	.15	6.00
Poly Vinyl Alcohol	Adhesive	62	.80	32.00
**Natrosol	Water Retention aid	70	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			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.

-/ NOTE: Provisional raw material change.

** Gendriv 492S, RM Spec. 223, percent 0.50, lbs/batch 20 lbs.
Use provisionally as alternative to Natrosol when specifically requested.

-/ Denotes change in this reissue.

EDO:elz

April 26, 1973
Supersedes Formula No. C-978
Dated 3/13/73

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

FORMULA	Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking agent	9	4.25	170.00
* Dowicil 100	Fungicide	193	.15	6.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
**Natrosol	Water Retention aid	170	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			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.

NOTE: Provisional raw material change.

-/ ** Gendriv 492S, RM Spec. 223, percent 0.60, lbs/batch 24 lbs.
Use provisionally as alternative to Natrosol when specifically requested.

-/ Denotes change in this reissue.

WNG:elz

July 12, 1973
Supersedes Formula C-978
Dated 6/21/73

Chicago, Illinois, Plant Formula

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	Function	R.M.Spec.	Percent	Lbs/Batch
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
* Thickener	Water Retention aid	170 or 223	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (G-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.00	3400.00
Calgon T	Slip agent	-	.25	10.00
			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.

-/ * Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

EDO:elz

October 17, 1973
Supersedes Formula C-978
Dated 7/12/73

Chicago, Illinois, Plant Formula

READY MIX FILLER C-978 (FILLER "X")

DESCRIPTION OF PRODUCT: - Filler for Ready Mix Joint Compound C-979 and C-977.

-/ FORMULA	- Function	R.M.Spec.	Percent	[illegible]
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Troysan CMP-10-SEP	Fungicide	193	.10	4.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
* Thickener	Water Retention aid	170 or 223	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.35	3414.00
		-	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.

* Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

WNG:elz

March 6, 1974
Supersedes C-978
Dated 1/15/74

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

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
Polyvinyl Alcohol	Adhesive	162	.80	32.00
*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	83.25	3330.00
			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.

*Natrosol 250 HXR or Gendriv 492S

-/ denotes change

WNG:elz

May 20, 1974
Supersedes C-978
Dated 3/6/74

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

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
Polyvinyl Alcohol	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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	57	53	55

WORKING PROPERTIES - Refer to Plant 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.

*Natrosol 250 HXR or Gendriv 492S

-/ denotes change

WNG:elz

~~May 20, 1974~~
Supersedes C-978
Dated ~~3/6/74~~

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

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
Polyvinyl Alcohol	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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	57	53	55

WORKING PROPERTIES - Refer to Plant 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.

*Natrosol 250 HXR or Gendriv 492S

-/ denotes change

WNG:elz

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

FORMULA	Function	RM Spec	Percent	Lbs/Batch
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
-/Gelvatol 3000	Adhesive	162	.40	16.00
*Thickener	Water retention aid	170or223	.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.

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-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

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

FORMULA	Function	RM Spec	Percent	Lbs/Batch
Asbestos 7RF09	Bulking Agent	[illegible]	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
-/Colvatol 3000	Adhesive	162	.40	16.00
	Water retention aid	17[illegible]or223	.75	[illegible].00
	Anti-cracking agent	[illegible]1	9.[illegible]	[illegible]
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.

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-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

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

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

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

FORMULA	Function	RM Spec	Percent	Lbs/Batch
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Gelvatol 3000	Adhesive	162	.40	16.00
-/Gendriv 49:S	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	83.65	3346.00
			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-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

May 21, 1976
Formula C-978
NEW

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	81.50	3260
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	1.00	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

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

June 9, 1976
May 21, 1976
Supersedes 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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	81.0 ~~81.50~~	~~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	1.5 ~~1.00~~	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

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

June 9, 1976
Supersedes Formula C-978
Dated: 5/21/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	81.00	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	1.50	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	1.00	40
			100.00	4000

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

June 9, 1976
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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
			80.7	
-/ Limestone	Filler	13	81.00	3240 3229
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
* Cosan JTA 20 Powder	Preservative	193	.40 .10	4 16
-/ Attagel 40 75	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	1.00	40
			100.00	4000

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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 AT A LOADING OF 8 LBS/BATCH

WNG/gvp

December 1, 1976
Supersedes Formula C-978
Dated: 6/9/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	80.70	3228
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
-/*Dowicil 75	Preservative	193	.40	16
Attagel 40	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	1.00	40
			100.00	4000

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

December 1, 1976
Supersedes Formula C-978
Dated: 6/9/76

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	80.70	3228
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
-/ *Dowicil 75	Preservative	193	.40	16
Attagel 40	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	1.00	40
			100.00	4000

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

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	~~84.068~~	~~3756~~ 3757
Mica	Anti-cracking	11	7.314	325
~~*Galactasol 413 WD~~	~~Water Retention~~	~~163/73~~	.450	20
~~Troysan PMA-10-SEP~~	~~Preservative~~	~~193~~	~~.100~~	~~8~~
-/ Minugel FG	Bulking Agent	8	1.800	80
~~Portland Cement~~	~~Stabilizer~~	~~51 & 136~~	~~.860~~	~~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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	84.068	3736
Mica	Anti-cracking	11	7.314	325
*Galactas 1 413-WD	Water Retention	163	.450	20
Troysan PMA-10-SEP	Preservative	-	.180	8
-/ Minugel FG	Bulking Agent	8	1.800	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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/Limestone	Filler	13	84.541	3757
Mica	Anti-cracking	11	7.314	325
-/Natrosol 250 HXR	Water Retention	170	.450	20
-/Dowacil-75	Preservative	193	.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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/Limestone	Filler	13	84.541	3757
Mica	Anti-cracking	11	7.314	325
-/Natrosol 250 HXR	Water Retention	170	.450	20
-/Dowacil-75	Preservative	193	.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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	84.541	3757
Mica	Anti-cracking	11	7.314	325
Natrosol 250 HXR	Water Retention	170	.450	20
Dowicil-75	Preservative	193	.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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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.

WNG:jr

-/ denotes change

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	~~84.541~~ 84.811	~~3797~~ 3769
Mica	Anti-cracking	11	7.314	325
Natrosol 250 HXR	Water Retention	170	.450	20
~~Dowicil-75~~	~~Preservative~~	~~193~~	~~.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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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 lbs./BATCH)
WNG:jr LUMEN PROBE IS NOT USED

-/ denotes change

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Limestone	Filler	13	~~83.168~~	~~3696~~ 3736
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	1.8 ~~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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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

February 22, 1978
Supersedes Formula C-978
Dated: 2/15/78

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound C-977 & 979.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Limestone	Filler	13	84.811	3769
Mica	Anti-cracking	11	7.314	325
-/ Methocel 856-S	Water Retention	170	.450	20
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 - Refer to Plant Testing Procedure No. 32.

Specifications	Maximum	Minimum	Average
	62	58	60

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 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 lbs/batch). When Proxcel is not used.

-/ denotes change

HCF:jr