

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

PLAINTIFF'S EXHIBIT

GP-435

December 1, 1976

TO:

Closed

~~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

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 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. A. G. PLANT _____ DATE 1-21-76
WNG

SGP 0018161

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

Used

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. J. G. PLANT _____ DATE 1-20-75

WNG

SGP 0018162

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. Y.

PLANT

DATE

9/2/77

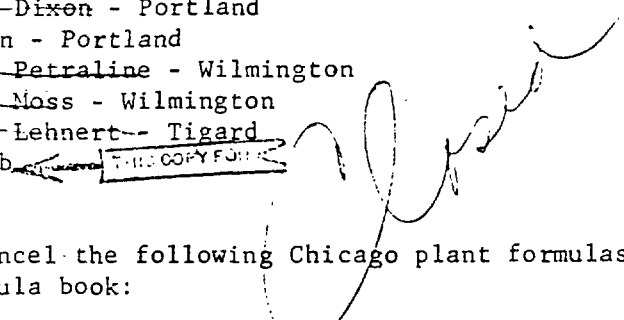
WNG/9/2/77

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
Tigard 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 W. J. G.

PLANT

DATE 5/28/75

WNG

SGP 0018164

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 16, 1978

TO:
Mr. M. A. Palmowski - Chicago
~~Mr. C. E. Fowler - Marietta~~
~~Mr. D. G. 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. Jones PLANT _____ DATE 2-16-78

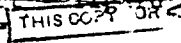
HCF
2/16/78

SGP 0018165

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  

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 0018166

Chad

TO :

THIS COPY FOR

C-978 READY MIX FILLER REVISED

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

TO: TIGARD GYPSUM LAB

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

SIGNED 11-11-51 PLANT DATE 2-11-52

SGP 0018167

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

August 2, 1977

TO:

Urb

~~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 *G. F. Fowler* PLANT DATE 8-3-77

HCF
8/2/77

SGP 0018168

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. Lehnert - Tigard~~
Tigard Lab ~~THIS COPY FOR~~

C. Joside

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. H. G.* PLANT _____ DATE *6/22/76*

WNG

SGP 0018169

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

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

Closed

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 *2-27-78*

HCF
2/23/78

SGP 0018171

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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	84.811	3769
Mica	Anti-cracking	11	7.314	325
METHOCEL K100 250 WXR 256-5	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
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 lbs/batch).
When Proxcel is not used.

-/ denotes change

HCF: jr

SGP 0018172

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 H. L. [Signature] 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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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
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 lbs/batch).
When Proxcel is not used.

-/ denotes change

HCF: jr

SGP 0018174

October 21, 1970
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-979 (FILLER "X")

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

-/ <u>FORMULA:</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7AF09	Bulking agent	193	4.25	170.00
*Troysan CXP-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:

<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.

-/ Denotes change in this reissue.

EDC:slc

SGP 0018175

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.

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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
			<u>100.00</u>	<u>4000.00</u>

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: - 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

SGP 0018176

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.

<u>-/ FORMULA</u>	<u>- Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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
			<u>100.00</u>	<u>4000.00</u>

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: - 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

SGP 0018177

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.

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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:

<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.

-/ Denotes change in this reissue.

EDO:dek

SGP 0018178

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.

<u>-/ FORMULA</u>	<u>- Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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	230.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			<u>100.00</u>	<u>4000.00</u>

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: - Refer to Plant Testing Procedure No. 32.
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

SGP 0018179

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.

<u>FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking agent	9	4.25	170.00
* Dowic 1 100	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.

<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.

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

SGP 0018180

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.

<u>-/ FORMULA</u>	<u>- Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.70	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
			<u>100.00</u>	<u>4000.00</u>

<u>WORKING CONSISTENCY</u> <u>Specifications</u>	-	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 in this reissue.

EDO:elz

SGP 0018181

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.

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>lb. / cu. ft.</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Trovan 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	7.00
Limestone	Filler	13	85.35	344.00
		-	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.

* Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

WNG:elz

SGP 0018182

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

-/ <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
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	<u>83.25</u>	<u>3330.00</u>
			100.00	4000.00

<u>WORKING CONSISTENCY</u> <u>Specifications</u>	- 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:elz

SGP 0018183

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

<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
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

SGP 0018184

JUN 15, 1975
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

<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
CON-4-12 Polyvinyl Alcohol 2000	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

<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	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.

*Natrosol 250 HXR or Gendriv 492S

-/ denotes change

WNG:elz

SGP 0018185

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 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	<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 0018186

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 7RF09	Bulking Agent	-	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
-/Gelvatol 3000	Adhesive	162	.40	16.00
	Water retention aid	170 or 223	.75	30.00
	Anti-cracking agent	1	9.50	38.00
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

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

<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
Gelvaton 3000	Adhesive	162	.40	16.00
-/Gendriv 4918	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.

<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.

-/ denotes change

WNG:elz

SGP 0018188

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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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
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.

WNG/gvp

SGP 0018189

JUNE 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..

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ 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	.
-/ 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	1
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
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.

WNG/gvp

SGP 0018190

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.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ 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

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

<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 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 0018191

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

CHICAGO, ILLINOIS PLANT FORMULA
READY MIX FILLER C-978

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

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	81.00	3240 <i>3220</i>
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
* Cosan JTA 20 <i>Technical</i>	Preservative	193	.40 <i>.10</i>	4 <i>16</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	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

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
 1.00 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.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ 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

<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 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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	83.13 80.70	3228- 3606
Mica	Anti-Cracking	11	7.31 10.00	400- 325
* Methocel K4M	Water Retention	163	1.50 .50	20
-/*Dowicil-75	Preservative	193	1.80 .40	16 3
Attagel-40	Bulking Agent	8	2.70 1.50	60 120
Portland Cement	pH Stabilizer	51 & 136	1.30 .40	16
Aluminum Sulfate	pH Stabilizer	52	1.30 .40	16
Pyrophyllite SK	Bulking Agent	--	4.50 5.00	200
Sorbitol (powdered)	Borax Stabilizer	--	1.00 .10	4 3
Hamico 267	Adhesive	23	1.00 1.00	40
			100.00	4000- 4304

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

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	84.068 84.068	3756 3757
Mica	Anti-cracking	11	7.314	325
*Calactasol 413-WD	Water Retention	163/73	.450	20
Troysean PMA-10-SEP	Preservative	193	1.00 .27	8 12
-/ Minugel FG	Bulking Agent	8	1.800	80
Portland Cement	Stabilizer	51 & 136	.360 .125	16 6
Aluminum Sulfate	pH Stabilizer	52	.360	16
Pyrophyllite SK	Bulking Agent	-	4.500	200
Sorbitol (Powdered)	Borax Stabilizer	-	.068 .07	3 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.

~~*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.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Limestone	Filler	13	84.068	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

<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.

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

WNG/gvp

-/ denotes change

SGP 0018196

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

<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-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
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 can be substituted at a loading of .18% (8 lbs/batch).

HCF:jr

-/ denotes change

SGP 0018197

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

<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-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
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 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

<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
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
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 Il3-105 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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	84.811 84.541	3769 3757
Mica	Anti-cracking	11	7.314	325
Natrosol 250 HXR	Water Retention	170	.450	20
Dowicil-75	Preservative	195	.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 .272 (12 LB./BATCH)
 WNG:jf WHEN PRICE IS NOT USED

-/ denotes change

11000 71,
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.

<u>FORMULA</u>				
<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	1.8 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

<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.

*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

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
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
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 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

SGP 0018202