PLAINTIFF'S EXHIBIT

GP-469

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. K. 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

SGP 0018289

GP 51

GEORGI[illegible] CIFIC CORPORATION

ROUND TRIP LETTER

TO Jud[illegible] - [illegible]	DATE July 2[illegible], 1[illegible]
	SUBJECT
FROM Mr. M. A. Palmowski - Chicago	

MESSAGE

In checking the files we find that we have not yet received the tear sheet from you for the following Plant Formula Revision: C-972 & C-979 dated March 10, 1975.

If you have received the above, please sign and return the tear sheet or sign and return this note. Thank you.

SIGNED Hubert [illegible]

REPLY

SIGNED

MAT NO. 00306

268482

THIS PAGE MUST BE RETURNED TO SENDER

SGP 0018290

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

March 23, 1976

TO:

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

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

C-973	READY MIX FILLER	NEW

Please cancel the following Chicago, Illinois Plant Formulas by removing them from your formula book:

C-972	READY MIX FILLER	CANCEL
C-975	READY MIX TOPPING COMPOUND (MACHINE TOOLS)	CANCEL
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCEL

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-973	READY MIX FILLER	NEW
C-972	READY MIX FILLER	CANCEL
C-975	READY MIX TOPPING COMPOUND (MACHINE TOOLS)	CANCEL
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCEL

SIGNED W. N. G. PLANT _____ DATE 3/24/76

WNG

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

February 16, 1978

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

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

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

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

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

SIGNED Hubert C. Fraser 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 FOR

Closed

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

C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-979, Page 2	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER	NEW

Please sign and return the attached tear sheet:

TO: TIGARD GYPSUM LAB

C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-979, Page 2	READY MIX JOINT COMPOUND (HAND TOOLS)	NEW
C-978	READY MIX FILLER	NEW

SIGNED W. N. H. PLANT _____ DATE 6/7/76

WNG

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 10, 1975

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

Enclosed please find the following Chicago plant formulas:

C-972	READY MIX FILLER	NEW
C-979	READY MIX JOINT COMPOUND	NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-972	READY MIX FILLER	NEW
C-979	READY MIX JOINT COMPOUND	NEW

SIGNED _____ PLANT _____ DATE 3-21-75

WNG

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. G. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab

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

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

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

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

SIGNED [signature] PLANT _____ DATE 8-3-77

HCF
8/2/77

SGP 0018296

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

SGP 0018297

February 15, 1978
Supersedes Formula C-979
Dated: 8/2/77

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Proxcel-CRL	Preservative		.05	1.0
-/ Filler C 978	Filler	--	93.15	1950.0
Elvace E.-200	Adhesive	185	6.5	136.0 (15.25 gals.)
Nalco 71[illegible]-5	Defoamer	125	.1	2.0
Acrysol SE-60	Thickener	147	.2	4.0
*Water	Solvent	--	--	1104.0 (133 gals.)
			100.0	3197.0**

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH: Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2...

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 2, 1978

TO:

Mr. M. A. Palmowski - 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 Herbert Thomas PLANT LAB DATE 5-3-78
HCF
5/2/78

March 30, 1978
Supersedes Formula C-979
Dated: 2/22/78

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/Proxcel-CRL	Preservative		.048	1.0
-/Filler C-978	Filler	--	93.885	1950.0
-/Elvace EP-200	Adhesive	185	5.778	120.0 (13.48 gals.)
-/Nalco 71D-5	Defoamer	125	.096	2.0
-/Acrysol ASE-60	Thickener	147	.193	4.0
-/*Water	Solvent	--	--	1120.0 (134.9 gals.)
			100.0	3197.0**

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2...

BONDING PROPERTIES Specifications	- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 90% fiber tear when delaminated.
CRACK RESISTANCE Specifications	- Refer to Plant Testing Procedure No. 37. Rating shall be 4 or better.
COLOR Specifications	- White Dried compound shall match color of standard sample.

WNG/gvp

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 31, 1978

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. S. Dixon - Portland~~
Mr. C. W. Lehnert - Tigard
Tigard Lab

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

C-971	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED ✓

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

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

SIGNED Hubert C Flowers PLANT _____ DATE 3-31-78

HCF
3/31/78

SGP 0018302

February 22, 1978
Supersedes Formula C-979
Dated: 2/15/78

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Proxcel-CRL	Preservative		.05 .048	1.0
Filler C-978	Filler	--	93.15 .885	1950.0
Elvace EP-200	Adhesive	185	5 6.5 .776	120 136.0 (15.25 gals.)
Nalco 71D-5	Defoamer	125	.1 .096	2.0
Acrysol ASE-60	Thickener	147	.2 .193	4.0
*Water	Solvent	--	--	120 1104.0 (133 gals.)
			100.0	3197.0**

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2...

February 15, 1978
Supersedes Formula C-979
Dated: 8/2/77

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

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

FORMULA

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

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2...

February 22, 1978
Supersedes Formula C-979
Dated: 2/15/78

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

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

FORMULA

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

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH: Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2..

March 30, 1978
Supersedes Formula C-979
Dated: 2/22/78

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/Proxcel-CRL	Preservative		.048	1.0
-/Filler C 978	Filler	--	93.885	1950.0
-/Elvace EP-200	Adhesive	185	5.778	120.0 (13.48 gals.)
-/Nalco 71[illegible]-5	Defoamer	125	.096	2.0
-/Acrysol [illegible]SE-60	Thickener	147	.193	4.0
-/*Water	Solvent	--	--	1120.0 (134.9 gals.)
			100.0	3197.0**

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2...

October 21, 1970
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

READY MIX JOINT COMPOUND C--979 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing. (Supplied on special request only.)

-/ FORMULA -

Raw Material	Function	Percent	Lbs/Batch
Water	Solvent	-	2000.00*(240 gals.)
Nalco	Anti-Foaming agent	0.1	4.00
Polyvinyl Acetate Emulsion	Adhesive	7.0	280.00
Benzoflex	Plasticizer	0.4	16.00
Filler C -978	Filler	92.5	3682.00
		100.0	6000.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

**One batch yields 95 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

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

Brabender: 560 ± 20

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 36.
Specifications: Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

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

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

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

-/ Denotes change in this reissue.

EDO:dek

February 24, 1971
Supersedes Formula C-[illegible]
Dated 10/21/70

[illegible]

[illegible]

[illegible] - White Ready Mix Joint Compound used for taping, topping and texturing. (Supplied on special request only.)

-/ [illegible] -

[illegible]	Function	Percent	Lbs/[illegible]
[illegible]	Solvent	-	2000.00*(240 gals.)
[illegible]	Anti-Foaming agent	0.1	4.00
[illegible] Emulsion (Preplasticized)	Adhesive	7.4	296.00
[illegible]	Filler	[illegible]	[illegible]
		100.0	[illegible]

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per [illegible]).

*Wine batch yields 97 ± 1 five gallon pail Ready Mix joint compound at [illegible] lbs/pail.

[illegible] - Refer to Plant Testing Procedure No. [illegible].
[illegible] for Paste: If paste is not proper working consistency, a maximum of 5 cc. water per 150 grams of paste may be added to adjust.
[illegible]: [illegible] ± 20

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

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

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

[illegible] - White
[illegible]: Dried compound shall match color of [illegible] sample.

- [illegible] change in this reissue.

[illegible]

SGP 0018308

February 16, 1973
Supersedes Formula C-979
Dated 2/24/71

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

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

-/ FORMULA

Raw Material	Function	Percent	Lbs./Batch
Water	Solvent	-	1200.00* (145 gals)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	7.4	148.00
Filler C-978	Filler	92.5	2050.00
		100.0	3400.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

-/ **One batch yields 53 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

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

-/ Brabender: 530 ± 20

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

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

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

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

-/ denotes change

EDO:elz

April 26, 1973
Supersedes Formula C-979
Dated 2/16/73

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

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

-/ FORMULA

Raw Material	Function	Percent	Lbs./Batch
Water	Solvent	-	1200.00* (145 gals)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	7.4	156.00 (17.3 gals.)
Filler C-978	Filler	92.5	1950.00
		100.0	3308.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

**One batch yields 53 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

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

Brabender: 530 ± 20

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

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

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

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

-/ denotes change

WNG:elz

January 15, 1974
Supersedes Formula C-979
Dated 4/26/73

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

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

FORMULA

Raw Material	Function	Percent	Lbs./Batch
Water	Solvent	-	1200.00* (145 gals)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	7.4	156.00 (17.3 gals.)
Filler C-978	Filler	92.5	1950.00
		100.0	3308.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

**One batch yields 53 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

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

-/ Brabender: 580 ± 20

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

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

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

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

-/ denotes change

WNG:elz

March 6, 1974
Supersedes Formula C-979
Dated 1/15/74

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

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

-/ FORMULA

Raw Material	Function	Percent	Lbs./Batch
Water	Solvent	-	1024.00* (128 gals)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl Acetate Emulsion (preplasticized)	Adhesive	7.0	147.00 (16.3 gals.)
Filler C-978	Filler	92.9	1950.00
		100.0	3123.00**

*Approximately 54.4 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

**One batch yields 53 ± 1 five gallon pail Ready Mix joint compound at 62 lbs/pail.

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

Brabender: 580 ± 20

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

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

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

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

-/ denotes change

WNG:elz

March 7, 1975
Formula C-979
NEW

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

DESCRIPTION OF PRODUCT - White Ready Mix Taping Compound used for bedding tape. Special formula. For trial shipments only.

FORMULA	Function	Percent	Lbs/Batch
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	2	4.00
Elvace 1875	Adhesive	2 0	39.00 (4.4 gals.)
Filler C-972	Filler	97 8	1950.00
		100 0	3017.00**

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

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

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

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

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

BONDING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE Specifications - Refer to Plant Testing Procedure No. 37. Ratings shall be 4 or better.

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

WNG:elz

March 7, 1975
Formula C-979
NEW

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

DESCRIPTION OF PRODUCT - White Ready Mix Taping Compound used for bedding tape. Special formula. For trial shipments only.

FORMULA	Function	Percent	Lbs/Batch
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	4.00
Elvace 1875	Adhesive	2.0	39.00 (4.4 gals.)
Filler C-972	Filler	97.8	1950.00
		100.0	3017.00**

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

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

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

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

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

BONDING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 100% fiber tear when delaminated.

CRACK RESISTANCE Specifications - Refer to Plant Testing Procedure No. 37. Ratings shall be 4 or better.

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

WNG:elz

May 21, 1976
Formula C-979
NEW

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

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

FORMULA

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

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

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

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

WNG:gvp

Continued on Page 2...

BONDING PROPERTIES Specifications	- Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least 90% fiber tear when delaminated.
CRACK RESISTANCE Specifications	- Refer to Plant Testing Procedure No. 37. Rating shall be 4 or better.
COLOR Specifications	- White Dried compound shall match color of standard sample.

WNG/gvp

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

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

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

FORMULA

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

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

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

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

WNG:gvp

Continued on Page 2...

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

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Filler C-978	Filler	--	~~92.8~~ 93.2	1950.0
Elvace EP-200	Adhesive	185	6.5	136.0 (15.25 gals.)
Nalco 71D-5	Defoamer	125	~~.2~~ .1	~~4.0~~ 2.0
Acrysol ASE-60	Thickener	147	~~.5~~ .2	~~10.0~~ 4.0
-/ *Water	Solvent	-	--	1104.0 (133 gals.)
			100.0	~~3204.0~~ 3126 **

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

pH: Minimum - 9.0 Maximum ~~10.0 (24 hrs.)~~ maximum 9.5

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

WNG:gvp

Continued on Page 2...

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

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch	
Filler C-978	Filler	--	92.8	1950.0	
Elvace EP-200	Adhesive	185	6.5	136.0	(15.25 gals.)
Nalco 71D-5	Defoamer	125	.2	4.0	
Acrysol ASE-60	Thickener	147	.5	10.0	
-/ *Water	Solvent	-	--	1104.0	(133 gals.)
			100.0	3204.0**	

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

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

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

WNG:gvp

Continued on Page 2...

August 2, 1977
Supersedes Formula C-979
Dated: 1/17/77

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

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Filler C-978	Filler	--	93.2	1950.0
Elvace EP-200	Adhesive	185	6.5	136.0 (15.25 gals.
-/ Nalco 71D-5	Defoamer	125	.1	2.0
-/ Acrysol ASE-60	Thickener	147	.2	4.0
*Water	Solvent	--	--	1104.0 (133 gals.)
			100.0	3196.0**

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

-/ pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2..

August 2, 1977
Supersedes Formula C-979
Dated: 1/17/77

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

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

FORMULA

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

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

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

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

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

Brabender: (580 ± 20) For Machine tools add 7 gallons H_2O (400 ± 20)

-/ pH Minimum - 9.0 Maximum - 9.5

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

HCF:jr

Continued on Page 2..

MARCH 7, 1975
~~January 16, 1975~~
Formula ~~C-971~~ C-979
NEW

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

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

FORMULA

Raw Material	Function	Percent	Lbs/Batch
Water	Solvent	--	1024.00 (128 gals.)*
Nalco	Anti-foaming agent	.2	4.00
Elvace 1875	Adhesive	2.0	39.00 (4.4 gals.)
Filler C-~~970~~ 972	Filler	97.8	1950.00
		100.0	3017.00**

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

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

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

Brabender: (540 ± 20) For machine tools add 10 gallons H_2O. (400 ± 20)

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

BONDING PROPERTIES Specifications - Refer to Plant Testing Procedure No. 35. After compound has dried, tape shall show at least ~~90%~~ 100 fiber tear when delaminated.

CRACK RESISTANCE Specifications - Refer to Plant Testing Procedure No. 37. There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge. Tailings Shall be 4 or better

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

WNG:jg

BRUNSWICK FORMULA #979
ASBESTOS CONTAINING PRODUCTS

SGP 0018287

CHICAGO FORMULA #979
ASBESTOS CONTAINING PRODUCTS

SGP 0018288