PLAINTIFF'S EXHIBIT

GP-473

April 13, 1981
FORMULA M-977
NEW

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
"MID-ATLANTIC" FORMULA

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Proxel CRL	Preservative		.110	2.35
Filler M-975	Filler		95.645	2050.4
DuPont JCM	Adhesive	185	4.152	89.0(10 gal)
Nalco 71D-5	Defoamer	125	.093	2.0
* Water	Solvent		.093	994.25(120 gal)
			100.000	3138.00

* Approximately 51 lbs/100 lbs. of active ingredients (this may vary ± 8 gallongs per batch.

II One batch yields 50 ± 1 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/Proxel CRL
2) JCM
3) Nalco
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 570 ± 20.

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: (570 ± 20)

For machine tools, add 4 gal. H_2O (420±20).

pH 8.0 - 9.0

SGP 0018095

BGR:ps

Continued on Page 2. . . . .

WORKING PROPERTIES	- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.
BONDING PROPERTIES	- Refer to Plant Testing Procedure No. 35.
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. Rating shall be 4 or better.
COLOR Specifications	- White Dried compound shall match color of standard sample.

BGR:ps

April 13, 1981
FORMULA M-977
NEW

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
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FORMULA

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			100.000	3138.00

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2) JCM
3) Nalco
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 570 ± 20.

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: (570 ± 20)

For machine tools, add 4 gal. H_2O (420±20).

pH 8.0 - 9.0

SGP 0018097

BGR:ps

Continued on Page 2. . . . .

WORKING PROPERTIES	- Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working, and free of any coarse, gritty or undispersed particles. Material shall be free from lumps due to incomplete mixing.
BONDING PROPERTIES	- Refer to Plant Testing Procedure No. 35.
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. Rating shall be 4 or better.
COLOR Specifications	- White Dried compound shall match color of standard sample.

BGR:ps

June 30, 1981
Supersedes FORMULA M-977
dated 5/22/81

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
"MID-ATLANTIC" FORMULA

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

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Filler M-975	Filler		9 . 7	2200.00
DuPont JCM	Adhesive	185	3.88	89.0(10 gal)
Nalco 71D-5	Defoamer	125	.05	1.0
* Water	Solvent		--	97 (117 gal)
			100.000	3266.00 **

* Approximately 51 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 52 ± 1 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water
2) Nalco
3) JCM
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 590 ± 20.

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: (590 ± 20)

For machine tools, add 4 gal. H_2O (480±20).

pH 7.5 - 8.5

SGP 0018099

BGR:ps

Continued on Page 2. . . . .

-/ denotes change.

June 30, 1981
Supersedes FORMULA M-977
dated 5/22/81

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
"MID-ATLANTIC" FORMULA

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

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Filler M-975	Filler		9 . 7	2200.00
DuPont JCM	Adhesive	185	3.88	89.0(10 gal)
Nalco 71D-5	Defoamer	125	.05	1.0
* Water	Solvent		--	97 (117 gal)
			100.000	3266.00 **

* Approximately 51 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 52 ± 1 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water
2) Nalco
3) JCM
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 590 ± 20.

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: (590 ± 20)

For machine tools, add 4 gal. H_2O (480±20).

pH 7.5 - 8.5

SGP 0018100

BGR:ps

Continued on Page 2. . . . .

-/ denotes change.

October 2, 1981

Supersedes FORMULA M-977
dated 6/30/81

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
"MID-ATLANTIC" FORMULA

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Proxel CRL	Preservative		.11	2.45
Filler M-975	Filler		95.97	2200.00
DuPont JCM	Adhesive	185	3.88	89.0(10 gal)
Nalco 71D-5	Defoamer	125	.04	1.0
* Water	Solvent		--	973.55(117 gal)
			100.000	3266.00 **

* Approximately 51 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 52 ± 1 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

-/ 1) Water /Proxel CRL
2) Nalco
3) JCM
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 590 ± 20.

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: (590 ± 20)

For machine tools, add 4 gal. H_2O (480±20).

pH 7.5 - 8.5

SGP 0018101

BGR:ps

Continued on Page 2. . . . .

-/ denotes change.

August 24. 1982
Supersedes FORMULA M-977
dated 10/2/81

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX TOPPING COMPOUND M-977 (HAND TOOLS)
"MID-ATLANTIC" FORMULA

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

FORMULA

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/	Nuosept-95	Preservative		.34	7.9
	Filler M-975	Filler		95.70	2200.00
	DuPont JCM	Adhesive	185	3.87	89.0(10 gal)
/ ***	MD-76	Defoamer	125	.09	2.0
	* Water	Solvent		--	973.55(117 gal)
				100.000	3272.45 **

*** Nalco 71-D5 may be substituted at equal loading.

* Approximately 51 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

** One batch yields 52 ± 1 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

-/ 1) Water / Nuosept-95
-/ 2) MD-76
3) JCM
4) Filler M-975
5) Mix until Ready Mix is smooth - pumping viscosity should be 590 ± 20.

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: (590 ± 20)

For machine tools, add 4 gal. H_2O (480±20).

pH 7.5 - 8.5

SGP 0018102

BGR:ps

Continued on Page 2. . . . .

-/ denotes change.

March 6, 1974
Supersedes M-977
Dated 1/15/74

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX JOINT COMPOUND M-977 (MACHINE TOOLS)

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

-/ FORMULA	Function	Percent	Lbs/Batch
Water	Solvent	--	1140.00* (136 gals.)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl acetate emulsion (pre-plasticized)	Adhesive	7.4	143.00
Filler AK-978	Filler	92.5	1850.00
		100.0	3135.00

*Approximately 56.6 lbs/100 lbs. of active ingredients (this may vary ± 8 gallons per batch.

**One batch yields 100 ± 1 five-gallon pail Ready Mix joint compound at 62 lbs/pail.

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

Brabender: 400 ± 20

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

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

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

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

-/ denotes change

WNC:elz

March 15, 1974
Supersedes M-977
Dated 3/6/74

MARIETTA, GEORGIA, PLANT FORMULA
READY MIX JOINT COMPOUND M-977 (MACHINE TOOLS)

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

-/ FORMULA	Function	Percent	Lbs/Batch
Water	Solvent	--	1140.00* (136 gals.)
Nalco	Anti-foaming agent	0.1	2.00
Polyvinyl acetate emulsion (pre-plasticized)	Adhesive	7.0	140.00
Filler M-978	Filler	92.9	1853.00
		100.0	3135.00

*Approximately 56.6 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.

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WNG:elz

- MARIETTA FORMULA # 977
- asbestos containing products
-

March 6, 1974
Supersedes M-977
Dated 1/15/74

MARIETTA, GEORGIA, PLANT FORMULA
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WNC:elz

March 15, 1974
Supersedes M-977
Dated 3/6/74

MARIETTA, GEORGIA, PLANT FORMULA
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WNG:elz

MARIETTA FORMULA #977
ASBESTOS CONTAINING PRODUCTS

SGP 0018094

AKRON FORMULA #978
ASBESTOS CONTAINING PRODUCTS

SGP 0018121