PLAINTIFF'S EXHIBIT
GP-1246

N E W
Formula V-972
October 30, 1979

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch	
Pyrophylite-SK	Bulking Agent	1	7.289	150.00	
Limestone	Filler	13	83.677	1722.00	
Methocel 240	Water Retention	163	.340	7.00	
PMA-30	Preservative	--	.044	.91	
Aqua-Fil K-8	Bulking Agent	229	3.450	71.00	
C-9-136 Starch	Adhesive	10	.875	18.00	
DuPont JCM	Adhesive	185	4.325	89.00	(10.0 gal)
Water *	Solvent	--	--	1026.00	(124 gal)
			100.000	3083.91 **	

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Filler
4) Mix until REady Mix is smooth - pumping viscosity should be 520 ± 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 (520 ± 20) — For machine tools, add 4 gallons H_2O (470 ± 20).

pH — Minimum - 8.0 Maximum - 9.0 (24 hrs)

Continued on Page 2 . . . . . .

WORKING PROPERTIES	- Refer to Plant Testing Procedure No. 33.
Specifications	Compound shall be plastic, buttery working and free of any coarse, gritty and undispersed particles. Material shall be free from lumps due to incomplete mixing.
BONDING PROPERTIES	- Refer to Plant Testing Procedure No. 35.
Specifications	After compound has dried, tape shall show at least 90% fiber tear when delaminated.
CRACK RESISTANCE	- Refer to Plant Testing Procedure No. 37.
Specifications	Rating shall be 4 or better.
COLOR	- White
Specifications	Dried compound shall match color of standard sample.

HCF:ps

September 23, 1980
Supersedes Formula V-972
dated 10/30/79

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch	
Pyrophylite-SK	Bulking Agent	1	7.288	150.00	
Limestone	Filler	13	83.652	1722.00	
Methocel 240	Water Retention	163	.340	7.00	
-/ Proxel CRL	Preservative	--	.074	1.52	
Aqua-Fil K-8	Bulking Agent	229	3.449	71.00	
C-9-136 Starch	Adhesive	10	.874	18.00	
DuPont JCM	Adhesive	185	4.323	89.00	(10.0 gal
Water *	Solvent	--	--	1024.48	(124 gal)
			100.000	3083.00	**

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 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 (520 ± 20)	For machine tools, add 4 gallons H_2O (470 ± 20).
pH	Minimum - 8.0 Maximum - 9.0 (24 hrs)

Continued on Page 2 . . . . . .

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September 24, 1980
Supersedes Formula V-972
dated 9/23/80

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch	
Pyrophylite-SK	Bulking Agent	1	7.284	150.00	
Limestone	Filler	13	83.620	1722.00	
Methocel 240	Water Retention	163	.340	7.00	
-/ Proxel CRL	Preservative	--	.112	2.31	
Aqua-Fil K-8	Bulking Agent	229	3.448	71.00	
C-9-136 Starch	Adhesive	10	.874	18.00	
DuPont JCM	Adhesive	185	4.322	89.00	(10.0 gal)
Water *	Solvent	--	--	1023.69	(124 gal)
			100.000	3083.00	**

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 520 ± 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 (520 ± 20): For machine tools, add 4 gallons H_2O (470 ± 20).

pH: Minimum - 8.0 Maximum - 9.0 (24 hrs)

Continued on Page 2 . . . . . .

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April 20, 1981
Supersedes Formula V-972
dated 9/24/80

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

	Raw Material	Function	RM Spec	Percent	Lbs/Batch	
-/	Pyrophylite-SK	Bulking Agent	1	7.285	150.00	
-/	Limestone	Filler	13	83.638	1722.00	
	Methocel 240	Water Retention	163	.340	7.00	
-/	Proxel CRL	Preservative	--	.092	1.90	
	Aqua-Fil K-8	Bulking Agent	229	3.448	71.00	
	C-9-136 Starch	Adhesive	10	.874	18.00	
-/	DuPont JCM	Adhesive	185	4.323	89.00	(10.0 gal)
-/	Water *	Solvent	--	--	1024.10	(124 gal)
				100.000	3083.00	**

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Filler
-/ 4) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 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 (550 ± 20)	For machine tools, add 4 gallons H_2O (420 ± 20).
pH	Minimum - 8.0 Maximum - 9.0 (24 hrs)

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BGR:ps

September 17, 1981
Supersedes Formula V-972
dated 4/20/81

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

	Raw Material	Function	RM Spec	Percent	Lbs/Batch	
-/	Pyrophylite-SK	Bulking Agent	1	7.283	150.00	
-/	Limestone	Filler	13	83.603	1722.00	
	Methocel 240	Water Retention	163	.340	7.00	
-/	Proxel CRL	Preservative	--	.133	2.73	
-/	Aqua-Fil K-8	Bulking Agent	229	3.447	71.00	
	C-9-136 Starch	Adhesive	10	.874	18.00	
-/	DuPont JCM	Adhesive	185	4.320	89.00	(10.0 gal)
-/	Water *	Solvent	--	--	1023.27	(124 gal)
				100.000	3083.00	**

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:
1) Water/PMA-30
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 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 (550 ± 20): For machine tools, add 4 gallons H_2O (420 ± 20).

pH: Minimum - 8.0 Maximum - 9.0 (24 hrs)

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October 2, 1981
Supersedes Formula V-972
dated 6/17/81

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX TOPPING COMPOUND V-972 (HAND TOOLS)

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch	
Pyrophylite-SK	Bulking Agent	1	7.283	150.00	
Limestone	Filler	13	83.603	1722.00	
Methocel 240	Water Retention	163	.340	7.00	
-/ Proxel CRL ***	Preservative	--	.133	2.73	
Aqua-Fil K-8	Bulking Agent	229	3.447	71.00	
C-9-136 Starch	Adhesive	10	.874	18.00	
DuPont JCM	Adhesive	185	4.320	89.00	(10.0 gal)
Water *	Solvent	--	--	1023.27	(124 gal)
			100.000	3083.00	**

* Approximately 52 lbs/100 lbs of active ingredients (This may vary ± 8 gallons per batch.

** One batch yields 49 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

*** Nuosept 95, at a loading of 9 lbs/batch, may be substituted for Proxel CRL.

SPECIAL MIXING INSTRUCTIONS: - Blend ingredients in following order:

1) Water/Proxel CRL
2) JCM
3) Filler
4) Mix until Ready Mix is smooth - pumping viscosity should be 550 ± 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 (550 ± 20)	For machine tools, add 4 gallons H_2O (420 ± 20).
pH	Minimum - 8.0 Maximum - 9.0 (24 hrs)

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BGR:ps

April 26, 1982
FORMULA V-972
N E W

MILFORD, VIRGINIA, PLANT FORMULA

READY MIX JOINT COMPOUND V-972 (HAND TOOLS)

-/ DESCRIPTION OF PRODUCT - White Ready Mix Joint Compound used for taping, topping and texturing. For selected market trials only.

FORMULA:

	Raw Material	Function	RM Spec	Percent	Lbs./Batch
	Filler	Filler		95.08	2050.0
	DuPont JCM	Adhesive	185	4.41	95.0 (10.7 gals
	Nuosept 95	Preservative	129	.42	9.0
	Water *	Solvent			994.0 (119.8 gal
-/	MD-76 ***	Defoamer	195	.09	2.0
					3150.0 **

* Approximately 48 lbs/100 lbs. of active ingredients (this may vary ± 6 gallons per batch).

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

*** Nalco 71-D5 can be substituted at equal loading

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water / Nuosept 95.
2) JCM
-/ 3) Defoamer MD-76
-/ 4) Filler V-973
5) Mix until Ready Mix is smooth — pumping viscosity should be 540 ± 20.

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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 (540 ± 20)	- For machine tools add 4 gallons H_2O (450 ± 20).
pH	7.0 - 8.5
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.
BONDING PROPERTIES	- Refer to Plant Testing Procedure No. 35. After compound has dreid, tape shall show at least 90% fiber tear when delaminated.
CRACK RESISTANCE	- Refer to Plant Testing Procedure no. 37. Rating shall be 4 or better.
COLOR	- White
Specification	Dried compound shall match color of standard sample.

HCF:ps

June 11, 1982
Supersedes FORMULA V-972
dated 4/26/82

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-972 (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	Filler		95.08	2050.0
DuPont JCM	Adhesive	185	4.41	95.0 (10.7 gals.)
Nuosept 95	Preservative	129	.42	9.0
Water *	Solvent			994.0 (119.8 gals.
MD-76 ***	Defoamer	195	.09	2.0
				3150.0 **

* Approximately 48 lbs/100 lbs. of active ingredients (this may vary ± 6 gallons per batch).

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

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

SPECIAL MIXING INSTRUCTIONS - Blend ingredients in following order:

1) Water / Nuosept 95.
2) JCM
3) Defoamer MD-76
4) Filler V-973
5) Mix until Ready Mix is smooth — pumping viscosity should be 540 ± 20.

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