January 6, 1975
Supersedes Formula V-976
Dated 12/31/74

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White ready mix joint compound used for taping, topping, and texturing. Special crack resistant formula.

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Water	Solvent	--	--	1100 (132 gals)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatos 3000	Adhesive	162	.60	13
**Thickener	Thickener	170	.60	13
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.47	1772
Calgon T	Dispersant	229	.18	4
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Methocel 90 HG or Natrosol 250 HXR

***One batch yields 51 ± 1 five gallon pail at 64 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: 580 ± 20 (For machine mix 400 ± 20, add 5 gals H_2O)

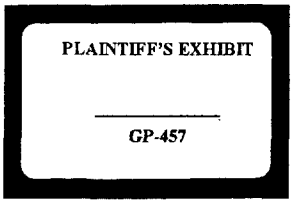
WORKING PROPERTIES Specifications: - Refer to Plant Testing Procedure No. 33. Compound shall be plastic, buttery working, and free of any coarse, gritty, or undispersed particles. Material shall be free from lumps due to incomplete mixing.

BONDONG 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.

GWG:jg



February 6, 1975
Supersedes V-976
Dated 1/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White ready mix joint compound used for taping, topping, and texturing. Special crack resistant formula.

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Water	Solvent	--	--	1100 (132 gals.)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatol 3000	Adhesive	162	.60	13
**Methocel 4KM	Thickener	163	.60	13
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.47	1772
Calgon T	Dispersant	229	.18	4
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Natrosol 250 HXR may be substituted. Use at a loading of .69% (15 lbs/batch).

***One batch yields 51 ± 1 five-gallon pail at 64 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 (For machine mix 400 ± 20, add 5 gals. water)

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

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

WNG:elz

May 1, 1975
Supersedes V-976
Dated 2/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1100 (132 gals.)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatol 3000	Adhesive	162	.60	13
Natrosol 250HXR	Thickener	170	.69	15
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.56	1774
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

/

***One batch yields 51 ± 1 five-gallon pail at 64 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 (For machine mix 400 ± 20, add 5 gals. water)

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

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

WNG:jg

May 27, 1975
Supersedes V-976
Dated 5/1/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals)
Elvace	Adhesive	185	4.00	80.0 (9 gals)
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Troysan	Bactericide	193	.10	2.0
Gelvatol 3000	Adhesive	162	.60	12.0
Natrosol 250 HXR	Thickener	170	.60	12.0
Mica	Anticracking agent	11	9.00	180.0
Limestone	Filler	13	83.10	1653.0
			100.00	3004.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs/batch).

*** Cosan JTA 20 may be substituted. Use at a loading of .05% (1 lb/batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals water)

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 - 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.

September 3, 1975
Supersedes V-976
Dated 5/27/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals)
Elvace	Adhesive	185	1.9	38.0 (4.3gals)
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Troysan	Bactericide	193	.10	2.0
Vinol 523S	Adhesive	162	1.0	20.0
Natrosol 250 HXR	Thickener	170	.60	12.0
Mica	Anticracking agent	11	9.00	180.0
Limestone	Filler	13	84.8	1687.0
			100.00	3004.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs/batch).

*** Cosan JTA 20 may be substituted. Use at a loading of .05% (1 lb/batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals water)

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 - 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.

WNG:jg -/denotes change

January 27, 1976
Supersedes V-976
Dated 9/3/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals.)
Airflex 510	Adhesive	185	5.00	100.0 (11.25 gals
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Cosan JTA 20	Bactericide	193	.10	2.0
Hamico 267	Adhesive	162	.95	19.0
Natrosol 250 HXR	Thickener	170	.40	8.0
Mica	Anticracking agent	11	8.00	160.0
Limestone	Filler	13	82.95	1651.0
			100.00	3005.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs./batch).

-/ ***Troysan may be substituted. Use at a loading of .2% (4 lbs./batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG:gvp -/denotes change

July 14, 1976
Supersedes V-976
Dated: 3/15/76

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals.)
-/ Elvace 1875	Adhesive	185	5.58	111.25 (12.50 gals
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Cosan JTA 20	Bactericide	193	.10	2.0
Hamiço 267	Adhesive	162	.95	19.0
Natrosol 250 HXR	Thickener	170	.40	8.0
Mica	Anticracking agent	11	8.00	160.0
Limestone	Filler	13	82.27	1638.00
-/ Soribtol (Dry)	Borax Stabilizer	-	.10	2.00
			100.00	3005.25****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs./batch).

***Troysan may be substituted. Use at a loading of .2% (4 lbs./batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG:gvp

-/denotes change

January 13, 1977
Supersedes V-976
Dated: 7/14/76

MILFORD, VIRGINIA PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	-	-	1013.00(122 gals.)
Elvace EP 200	Adhesive	185	5.580	111.25 (12.50 gals.
Nalco	Antifoaming agent	125	.100	2.00
Asbestos 7RF-02	Bulking agent	9	2.500	50.00
-/**Troysan PMA 10-SEP	Bactericide	-	.200	4.00
Hamico 267	Adhesive	162	.950	19.00
Natrosol 250 HXR	Thickener	170	.400	8.00
Mica	Anticracking agent	11	8.000	160.00
-/ Limestone	Filler	13	82.195	1636.50
-/ Sorbitol (Dry)	Borax Stabilizer	-	.075	1.50
			100.000	3005.25***

*Approximately 51.0 lbs/100 lbs of active ingredients (this may vary ± 4 gallons per batch).

-/ **Cosan JTA-20 may be substituted. Use at a loading of .1% (2 lbs/batch).

***One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG/gvp

-/ denotes change

MILFORD FORMULA # 976
ASBESTOS CONTAINING PRODUCTS

January 6, 1975
Supersedes Formula V-976
Dated 12/31/74

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White ready mix joint compound used for taping, topping, and texturing. Special crack resistant formula.

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Water	Solvent	--	--	1100 (132 gals)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatos 3000	Adhesive	162	.60	13
**Thickener	Thickener	170	.60	13
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.47	1772
Calgon T	Dispersant	229	.18	4
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Methocel 90 HG or Natrosol 250 HXR

***One batch yields 51 ± 1 five gallon pail at 64 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: 580 ± 20 (For machine mix 400 ± 20, add 5 gals H_2O)

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.

BONDONG 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.

GWG:jg

February 6, 1975
Supersedes V-976
Dated 1/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (HAND TOOLS)

DESCRIPTION OF PRODUCT - White ready mix joint compound used for taping, topping, and texturing. Special crack resistant formula.

-/ FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Water	Solvent	--	--	1100 (132 gals.)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatol 3000	Adhesive	162	.60	13
**Methocel 4KM	Thickener	163	.60	13
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.47	1772
Calgon T	Dispersant	229	.18	4
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Natrosol 250 HXR may be substituted. Use at a loading of .69% (15 lbs/batch).

***One batch yields 51 ± 1 five-gallon pail at 64 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 (For machine mix 400 ± 20, add 5 gals. water)

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

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

WNG:elz

May 1, 1975
Supersedes V-976
Dated 2/6/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1100 (132 gals.)
Elvace	Adhesive	185	4.00	87
Nalco	Antifoam	125	.09	2
Asbestos 7RF9	Bulking	9	4.00	87
Gelvatol 3000	Adhesive	162	.60	13
Natrosol 250HXR	Thickener	170	.69	15
Mica	Anticracking	11	8.97	195
Limestone	Filler	13	81.56	1774
Troysan	Bactericide	193	.09	2
			100.00	3275***

*Approximately 51.0 lbs/100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

/

***One batch yields 51 ± 1 five-gallon pail at 64 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 (For machine mix 400 ± 20, add 5 gals. water)

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

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

WNG:jg

May 27, 1975
Supersedes V-976
Dated 5/1/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals)
Elvace	Adhesive	185	4.00	80.0 (9 gals)
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Troysan	Bactericide	193	.10	2.0
Gelvatol 3000	Adhesive	162	.60	12.0
Natrosol 250 HXR	Thickener	170	.60	12.0
Mica	Anticracking agent	11	9.00	180.0
Limestone	Filler	13	83.10	1653.0
			100.00	3004.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs/batch).

*** Cosan JTA 20 may be substituted. Use at a loading of .05% (1 lb/batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals water)

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 - 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.

September 3, 1975
Supersedes V-976
Dated 5/27/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals)
Elvace	Adhesive	185	1.9	38.0 (4.3gals)
Nalc	Antifoaming agent	125	.10	2.0
**Asbe tos 7RF-02	Bulking agent	9	2.50	50.0
***Troy an	Bactericide	193	.10	2.0
Vin l 523S	Adhesive	162	1.0	20.0
Natrosol 250 HXR	Thickener	170	.60	12.0
Mica	Anticracking agent	11	9.00	180.0
Limestone	Filler	13	84.8	1687.0
			100.00	3004.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs/batch).

*** Cosan JTA 20 may be substituted. Use at a loading of .05% (1 lb/batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals water)

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 - 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.

WNG:jg -/denotes change

January 27, 1976
Supersedes V-976
Dated 9/3/75

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals.)
Airflex 510	Adhesive	185	5.00	100.0 (11.25 gals
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos RF-02	Bulking agent	9	2.50	50.0
***Cosan JTA 20	Bactericide	193	.10	2.0
Hamiço 267	Adhesive	162	.95	19.0
Natrosol 250 HXR	Thickener	170	.40	8.0
Mica	Anticracking agent	11	8.00	160.0
Limestone	Filler	13	82.95	1651.0
			100.00	3005.0****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs./batch).

-/ ***Troysan may be substituted. Use at a loading of .2% (4 lbs./batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG:gvp

-/denotes change

July 14, 1976
Supersedes V-976
Dated: 3/15/76

MILFORD, VIRGINIA, PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	--	--	1013.0 (122 gals.)
-/ Elvace 1875	Adhesive	185	5.58	111.25 (12.50 gals.
Nalco	Antifoaming agent	125	.10	2.0
**Asbestos 7RF-02	Bulking agent	9	2.50	50.0
***Cosan JTA 20	Bactericide	193	.10	2.0
Hamiço 267	Adhesive	162	.95	19.0
Natrosol 250 HXR	Thickener	170	.40	8.0
Mica	Anticracking agent	11	8.00	160.0
Limestone	Filler	13	82.27	1638.00
-/ Soribtol (Dry)	Borax Stabilizer	-	.10	2.00
			100.00	3005.25****

*Approximately 51.0 lbs./100 lbs. of active ingredients (this may vary ± 4 gallons per batch).

**Asbestos 7RF9 may be substituted. Use at a loading of 4% (80 lbs./batch).

***Troysan may be substituted. Use at a loading of .2% (4 lbs./batch).

****One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG:gvp -/denotes change

January 13, 1977
Supersedes V-976
Dated: 7/14/76

MILFORD, VIRGINIA PLANT FORMULA
READY MIX JOINT COMPOUND V-976 (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
*Water	Solvent	-	-	1013.00(122 gals.)
Elvace EP 200	Adhesive	185	5.580	111.25 (12.50 gals.
Nalco	Antifoaming agent	125	.100	2.00
Asbestos 7RF-02	Bulking agent	9	2.500	50.00
-/**Troysan PMA 10-SEP	Bactericide	-	.200	4.00
Hamico 267	Adhesive	162	.950	19.00
Natrosol 250 HXR	Thickener	170	.400	8.00
Mica	Anticracking agent	11	8.000	160.00
-/ Limestone	Filler	13	82.195	1636.50
-/ Sorbitol (Dry)	Borax Stabilizer	-	.075	1.50
			100.000	3005.25***

*Approximately 51.0 lbs/100 lbs of active ingredients (this may vary ± 4 gallons per batch).

-/ **Cosan JTA-20 may be substituted. Use at a loading of .1% (2 lbs/batch).

***One batch yields 48 ± 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 (For machine mix 400 ± 20, add 5 gals. water)

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 - 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.

WNG/gvp

-/ denotes change

November 9, 1981
NEW FORMULA V-976

MILFORD, VIRGINIA, PLANT FORMULA
IMPROVED READY MIX FILLER V-976

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound V-971 and Topping Compound V-975.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Pyrophyllite-SK	Bulking Agent	1	7.627	650.0
Aqua-Fil K-8	Bulking Agent	229	3.520	300.0
Methocel	Water Retention	163	.352	30.0
Sta-Gel Startch	Adhesive/Thickener	10	.939	80.0
Sorbitol	Borax Stabilizer		.411	35.0
Limestone	Filler	13	87.151	7427.0
			100.00	8522.0

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

Maximum	Minimum	Average
62	58	60

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.

Specifications: Filler shall be heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed .

COLOR - White

Specifications: Dried sample shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula V-971 at least twice a day or with every sixth or seventh batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound Formula V-971.

BGR:ps

July 9, 1982
FORMULA V-976
N E W

MILFORD, VIRGINIA, PLANT FORMULA

READY MIX JOINT COMPOUND V-976 (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		95.482	2050.0	
DuPont JCM	Adhesive	185	4.006	86.0	(9.7 gals)
Nuosept 95	Preservative	129	.419	9.0	
Water *	Solvent			1003.0	(121.0 gals)
MD-76 ***	Defoamer	195	.093	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-974
5) Mix until Ready Mix is smooth - pumping viscosity should be 540 ± 20.

(Continued on Page 2.....)

HCF:ps

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

SGP 0017992

MILFORD FORMULA #976
ASBESTOS CONTAINING PRODUCTS