

June 19, 1979
Supersedes Formula TEX 978
Dated: April 8, 1979

ACME, TEXAS, PLANT FORMULA
READY MIX JOINT COMPOUND TEX-978

DESCRIPTION: White Ready Mix Joint Compound used for taping, topping and texturing. To be used in 4-gallon cartons and 5-gallon pails.

FORMULA:

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Water	Solvent			1120.0 (135)
-/ DuPont JCM	Adhesive	185	5.544	115.0 (13 gal.)
Nalco 71D-5	Defoamer	125	.096	2.0
PMA-30	Preservative	193	.111	2.3
-/ Filler TEX-975	Filler		94.008	1950.0
-/ Paragum-146 *	Thickener		.241	5.0
			100.000	3194.3

Yield: One batch yields 64 + 1 four gallon carton or 51 + 1 five gallon pail at 50 lbs. per carton and 62 lbs. per pail.

* Acrysol ASE60 may be used at a loading of 4 lbs/batch (.193%).

SPECIAL MIXING INSTRUCTIONS:

Blend ingredients in the follow order:

- 1) Water
- 2) Adhesive
- 3) Nalco
- 4) Preservative
- 5) Filler
- 6) Mix as required
- 7) Paragum-146
- 8) Mix 2 minutes

WORKING CONSISTENCY: Plant Testing Procedure No. 32.

Brabender: As manufactured - 600 + 20 at 75°F.
After 3 months - Maximum of 730 at 75°F.

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.

-/ denotes change

HCF:ps

PLAINTIFF'S EXHIBIT

GP-474

Continued on Page 2 ...

SGP 0018122

NEW

July 2, 1979

Effective: August 1, 1979

AKRON, NEW YORK, PLANT FORMULA
READY MIX JOINT COMPOUND AK-978 (HAND TOOLS)

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

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
PMA 30	Preservative		.081	3.75
Filler Ak-979	Filler		95.106	4400.00
JCM	Adhesive	185	4.469	206.75 (23.33 gal)
Nalco 71D-5	Defoamer	125	.100	4.60
**Paragum 146	Thickener	147	.244	11.30
*Water	Solvent			2106.25 (253 gal)
			100.000	6732.65 **

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

** One batch yields 108 $\pm$ 2 five-gallon pails Ready Mix Joint Compound at 62 lbs/pail.

*** Acrysol ASE-60 may be substituted at a loading of 9.10 lbs/batch (.197%)

SPECIAL MIXING INSTRUCTIONS

- Blend ingredients in following order:
 - 1) Water
 - 2) JCM
 - 3) Nalco
 - 4) Filler AK-979
 - 5) Mix until filler is thoroughly dispersed
 - 6) Add Paragum 146
 - 7) Mix until Ready Mix is smooth - pumping viscosity should be 520 $\pm$ 20.

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 (520 $\pm$ 20)

For machine tools, add 4 gallons H₂O (470 $\pm$ 20)

pH

Minimum- 9.0 Maximum - 9.5

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.

Continued on Page 2 . . .

NEW - AK-978

July 2, 1979

Effective: Aug. 1, 1979

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.

HCF:ps

December 29, 1969
NEW FORMULA

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Troysan CMP-10-Sep	Fungicide	193	.10	4.00
Poly-Vinyl Alcohol	Adhesive	162	.80	32.00
Natrosal	Water Retention aid	17	.50	20.00
Mica	Anti-Cracking agent	1	5.00	200.00
Asbestos (SG-210)	Bulking agent	-	1.50	60.00
Limestone	Filler	1	92.10	3684.00
			100.00	4000.00

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
53	50	52

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

February 12, 1970
Supersedes Formula AK-978
Dated 12/29/69

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Troyan CMP-10-Sep	Fungicide	193	.10	4.00
Poly-Vinyl Alcohol	Adhesive	162	.80	32.00
Natrosal	Water Retention aid	170	.50	20.00
Mica	Anti-Cracking agent	11	5.00	200.00
Asbestos (SG-210)	Bulking agent	-	2.00	80.00
Limestone	Filler	13	91.10	3644.00
Colgan T	Slip agent	-	.50	20.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
53	50	52

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

EDC:dek

SGP 0018126

March 31, 1970
Supersedes Formula AK-978
Dated 2/12/70.

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking agent	193	3.50	140.00
*Troysan CM-10-Sep	Fungicide	162	.10	4.00
Poly-Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.65	26.00
Mica	Anti-Cracking agent	-	6.00	240.00
Asbestos (SG-210)	Bulking agent	13	1.5	60.00
Limestone	Filler	-	85.20	3408.00
Colgan T	Slip agent	-	.25	10.00
Talc (Glacial 325)	Slip agent	-	2.00	80.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.
Maximum Minimum Maximum

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications:

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:dek

SGP 0018127

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking agent	193	3.50	140.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	6.00	240.00
Asbestos (SG-210)	Bulking agent	13	1.5	60.00
Limestone	Filler	-	85.10	3404.00
Calgon T	Slip agent	-	.25	10.00
Talc (Glacial 325)	Slip agent	-	2.00	80.00
			100.00	4000.00

WORKING CONSISTENCY: - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average

WORKING PROPERTIES: - Refer to Plant Testing Procedure No. 33.
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:dek

SGP 0018128

AKRON, NEW YORK, PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

-/ <u>FORMULA:</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking agent	193	4.25	170.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	83.10	3324.00
Calgon T	Slip agent	-	.25	10 00
Talc (Glacial 325)	Slip agent	-	2.00	80.00
			100.00	4000.00

-/ WORKING CONSISTENCY: - Refer to Plant Testing Procedure No. 32.
Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
57	53	55

WORKING PROPERTIES: - Refer to Plant Testing Procedure No. 33.
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:elz

AKRON, NEW YORK, PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA:</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs. Batch</u>
Asbestos 7RF09	Bulking agent	193	4.25	170.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	83.85	3354.00
Calgon T	Slip agent	-	.25	10.00
Talc (Glacial 325)	Slip agent	-	1.25	50.00
			100.00	4000.00

-/ WORKING CONSISTENCY: - Refer to Plant Testing Procedure No. 32.
Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES: - Refer to Plant Testing Procedure No. 33.
Specifications: Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:elz

November 18, 1971
Supersedes Formula AK-978
Dated 5/24/71

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	193	4.25	170.00
*Troysan CMP-10-Sep	Fungicide	162	.10	4.00
Poly Vinyl Alcohol	Adhesive	170	.80	32.00
Natrosol	Water Retention aid	11	.75	30.00
Mica	Anti-Cracking agent	-	7.00	280.00
Asbestos (SG-210)	Bulking agent	13	1.75	70.00
Limestone	Filler	-	85.10	3404.00
Calgon T	Slip agent	-	.25	10.00
			<u>100.00</u>	<u>4000.00</u>

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

<u>WORKING PROPERTIES</u> <u>Specifications</u>	-	Refer to Plant Testing Procedure No. 33.
		Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

<u>COLOR:</u> <u>Specifications</u>	-	White
		Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:dek

SGP 0018131

April 14, 1972
Supersedes Formula AK-978
Dated 11/18/71

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 100	Fungicide	193	.15	6.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
Natrosol	Water Retention aid	170	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.10	3402.00
Calgon T	Slip agent	-	.25	10.00
			<u>100.00</u>	<u>4000.00</u>

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

<u>WORKING PROPERTIES</u> <u>Specifications</u>	-	Refer to Plant Testing Procedure No. 33.
		Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

<u>COLOR:</u> <u>Specifications</u>	-	White
		Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ Denotes change in this reissue.

EDO:dek

SGP 0018132

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 100	Fungicide	193	.15	6.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
*Thickener	Water Retention aid	170 or 223	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.05	3402.00
Calgon T	Slip agent	-	.25	10.00
			<u>100.00</u>	<u>4000.00</u>

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

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ * Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

EDO:elz

SGP 0018133

July 12, 1973
Supersedes Formula AK-978
Dated 6/21/73

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>- Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Dowicil 75	Fungicide	193	.20	8.00
Poly Vinyl Alcohol	Adhesive	162	.80	32.00
*Thickener	Water Retention aid	170 or 223	.75	30.00
Mica	Anti-Cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	-	1.75	70.00
Limestone	Filler	13	85.00	3400.00
Calgon T	Slip agent	-	.25	10.00
			100.00	4000.00

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

WORKING PROPERTIES
Specifications - Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

-/ * Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

EDO:elz

SGP 0018134

October 17, 1973
 Supersedes Formula AK-976
 Dated 7/12/73

AKRON, NEW YORK PLANT FORMULA

READY MIX FILLER AK-978 (FILLER "X")

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

<u>-/ FORMULA</u>	<u>- Function</u>	<u>R.M.Spec.</u>	<u>Per cent</u>	<u>Weight</u>
Asbestos 7RF09	Bulking Agent	9	4.25	42.50
Troysan CMP-10-SEP	Fungicide	193	.10	1.00
Poly Vinyl Alcohol	Adhesive	162	.66	6.60
Thickener	Water Retention aid	170 or 223	.75	7.50
Mica	Anti-Cracking agent	11	7.00	70.00
Asbestos (St-210)	Bulking agent	-	1.75	17.50
Limestone	Filler	13	85.37	853.70
		-	100.00	1000.00

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

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 32.
Specifications Filler shall be very heavily bodied and have fair plasticity. It shall be free of lumps, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to formula at least twice a day or with every 6th or 7th batch of filler. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

* Natrosol 250 HXR or Gendriv 492S

-/ Denotes change in this reissue.

WNG:elz

SGP 0018135

March 15, 1974
Supersedes AK-978
Dated 1/15/74

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-979 and AK-977.

-/ <u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Asbestos 7FR09	Bulking Agent	9	4.25	170.00
* Troysan PMA-10-SEP	Fungicide	193	.10	4.00
Polyvinyl Alcohol	Adhesive	162	.80	32.00
Natrosol 250 HXR	Water retention aid	170	.75	30.00
Mica	Anti-cracking agent	11	9.50	380.00
Asbestos (SG-210)	Bulking agent	--	1.25	50.00
Limestone	Filler	13	83.10	3324.00
Calgon T	Dispersant	229	.25	10.00
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Cosan JTA-20 may be substituted. Use at a loading of .05% (2 lbs/batch)

-/ denotes change

WNG:elz

SGP 0018136

May 21, 1974
Supersedes AK-978
Dated 3/15/74

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-979 and AK-977.

-/	<u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Asbestos 7FR09	Bulking Agent	9	4.25	170.00
*	Troysan PMA-10-SEP	Fungicide	193	.10	4.00
-/	Gelvato1 3000	Adhesive	162	.40	16.00
	Natrosol 250 HXR	Water retention aid	170	.75	30.00
-/	Mica	Anti-cracking agent	11	7.00	280.00
-/	Asbestos (SG-210)	Bulking agent	--	1.75	70.00
-/	Limestone	Filler	13	85.50	3420.00
	Calgon T	Dispersant	229	.25	10.00
				100.00	4000.00

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

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	62	58	60

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

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

GOLOR - White

Specifications Dried compound shall match color of standard sample

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Cosan JTA-20 may be substituted. Use at a loading of .05% (2 lbs/batch).

-/ denotes change

WNG:elz

SGP 0018137

May 1, 1975
Supersedes AK-978
Dated 4/21/74

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-978 and AK-977.

-/ <u>FORMULA</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
** Asbestos 7FR09	Bulking Agent	9	4.25	170.00
* Troysan PMA-10-SEP	Fungicide	193	.10	4.00
Gelvitol 3000	Adhesive	162	.40	16.00
Natrosol 250 HXR	Water retention aid	170	.75	30.00
Mica	Anti-cracking agent	11	7.00	280.00
Asbestos (SG-210)	Bulking agent	18	1.75	70.00
Limestone	Filler	13	<u>85.75</u>	<u>3430.00</u>
			100.00	4000.00

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

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

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Cosan JTA-20 may be substituted. Use at a loading of .05% (2 lbs/batch).

**Asbestos 7RF-02 may be substituted. Use at a loading of 2.75% (110 lbs/Batch)

-/ denotes change

WNG:jg

December 22, 1975
Supersedes AK-978
Dated 5/1/75

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-976 and AK-977.

-/FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
**Asbestos 7RF09	Bulking Agent	9	4.25	170.00
*Cosan JTA 20	Fungicide	193	.075	3.00
Gelvitol 3000	Adhesive	162	.40	16.00
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00
Mica	Anti-cracking Agent	11	7.00	280.00
Asbestos (SG-210)	Bulking Agent	18	1.75	70.00
Limestone	Filler	13	<u>85.775</u>	<u>3431.00</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Troysan PMA-10-SEP may be substituted. Use at a loading of .15% (6 lbs/batch).

**Asbestos 7RF-02 may be substituted. Use at a loading of 2.75% (110 lbs/batch).

-/ denotes change

WNG:jg

SGP 0018139

January 27, 1976
Supersedes AK-978
Dated 12/22/75

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-976
and AK-977.

-/FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol (Powdered)	Borax Stabilizer	-	.10	4.00
**Asbestos 7RF02	Bulking Agent	9	2.75	110.00
*Cosan JTA 20	Fungicide	193	.075	3.00
Gelvaton 3000	Adhesive	162	.40	16.00
Natrosol 250 HXR	Water Retention Aid	170	.75	30.00
Mica	Anti-cracking Agent	11	7.00	280.00
Asbestos (SG-210)	Bulking Agent	18	1.75	70.00
Limestone	Filler	13	<u>87.175</u>	<u>3487.00</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess
fair plasticity. It shall be free of any coarse,
gritty or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard
sample.

NOTE: A wet mix of the filler shall be prepared according to Formula
No. AK-979 at least twice a day or with every 6th or 7th batch of
filler manufactured. This prepared mix shall be tested and shall
meet all the specifications required of Ready Mix Joint Compound -
Formula No. AK-979.

*Troysan PMA-10-SEP may be substituted. Use at a loading of .15%
(6 lbs/batch).

-/ **Asbestos 7RF-9 may be substituted. Use at a loading of 4.25%
(110 lbs/batch).

-/ denotes change

WNG:gp

SGP 0018140

June 10, 1976
Supersedes AK-978
Dated 1/27/76

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-976 and AK-977.

-/FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Sorbitol (Powdered)	Borax Stabilizer	-	.09	4.0
*Asbestos 7RF02	Bulking Agent	9	.90	40.0
*Cosan JTA 20	Fungicide	193	.09	4.0
Hamico 267	Adhesive	3	.59	26.0
Natrosol 250 HXR	Water Retention Aid	170	.45	20.0
Mica	Anti-cracking Agent	1	7.20	320.0
Asbestos (SG-210)	Bulking Agent	8	1.89 -	84.0
Limestone	Filler	3	88.79	3946.0
			100.00	4444.0

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR
Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Troysan PMA-10-SEP may be substituted. Use at a loading of .18% (8 lbs/batch).

-/ denotes change

WNG:gp

SGP 0018141

January 10, 1977
Supersedes AK-978
Dated: 6/10/76

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-978 (FILLER "X")

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-976 and AK-977.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Sorbitol (Powdered)	Borax Stabilizer	-	.07	3.0
Asbestos 7RF02	Bulking Agent	9	.90	40.0
*Cosan JTA 20	Fungicide	193	.09	4.0
Hamico 267	Adhesive	23	.59	26.0
Natrosol 250 HXR	Water Retention Aid	170	.45	20.0
Mica	Anti-cracking Agent	11	7.20	320.0
Asbestos (SG-210)	Bulking Agent	18	1.89	84.0
-/ Limestone	Filler	13	88.81	3947.0
			100.00	4444.0

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
62	58	60

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Filler shall be very heavily bodied and possess fair plasticity. It shall be free of any coarse, gritty or undispersed particles.

COLOR

Specifications

- White
Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula No. AK-979 at least twice a day or with every 6th or 7th batch of filler manufactured. This prepared mix shall be tested and shall meet all the specifications required of Ready Mix Joint Compound - Formula No. AK-979.

*Troysan PMA-10-SEP may be substituted. Use at a loading of .18% (8 lbs/batch).

-/ denotes change

WNG:gp

SGP 0018142