

January 29, 1975
Formula AK-975
NEW

PLAINTIFF'S EXHIBIT

GP-480

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974

<u>FORMULA</u>	<u>- Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
High Early Strength Portland Cement (Type III)	Buffer	137	.47	19.00
Troysan	Fungicide	193	.11	5.00
Gelvato1 3000	Adhesive	162	.40	16.00
Methocel 90HG	Water retention aid	163	.63	25.00
Mica	Anti-cracking agent	11	14.76	590.00
Attagel 40	Bulking agent	8	4.00	160.00
Limestone	Filler	13	78.90	3156.00
Calgon T	Dispersant	229	.26	10.00
Powdered Aluminum Sulfate	Buffer	52	.47	19.00
			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

<u>WORKING PROPERTIES</u> <u>Specifications</u>	<u>- Refer to Plant Testing Procedure No. 33.</u>
	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>	<u>- White</u>
	Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula AK-974 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-974.

WNG:jg

SGP 0017816

August 26, 1975
Supersedes Formula AK-975
Dated 1/29/75

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974

-/FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	88.075	3522.00
Mica	Anti-cracking agent	11	7.12	285.00
Gelvatol 6000*	Adhesive	162	1.02	41.00
Methocel K4M (90 HG)	Water Retention aid	163	.66	27.00
Consan JTA 20	Preservative	193	.075	3.00
Attagel 40	Bulking agent	8	3.05	122.00
			100.00	4000.00

*Note: Vinol 523 S may be used as a direct substitute for Gelvatol 6000.

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 AK-974 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-974.

-/ denote change

WNG:jg

SGP 0017817

September 19, 1975
Supersedes Formula AK-975
Dated 8/26/75

AKRON, NEW YORK, PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974

-/FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	84.965	3398.00
Mica	Anti-cracking agent	11	10.12	405.00
Gelvatol 6000*	Adhesive	162	1.02	41.00
Methocel K4M (90 HG)	Water Retention aid	163	.77	31.00
Consan JTA 20	Preservative	193	.075	3.00
Attagel 40	Bulking agent	8	3.05	122.00
			100.00	4000.00

*Note: Vinol 523 S may be used as a direct substitute for Gelvatol 6000.

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 AK-974 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-974.

-/ denote change

WNG:jg

June 25, 1976
Supersedes Formula AK-975
Dated 12/22/75

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	1.00	40
Limestone	Filler	13	81.00	3240
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
Cosan JTA 20	Preservative	193	.10	4
Attagel 40	Bulking Agent	8	1.50	60
Portland Cement	pH Stabilizer	51&136	.40	16
Aluminum Sulfate	pH Stabilizer	52	.40	16
Pyrophyllite SK	Bulking Agent	--	5.00	200
Sorbitol (powdered)	Borax Stabilizer	--	.10	4
			100.00	4000

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

- White

Specifications

Dried compound shall match color of standard sample.

NOTE: A wet mix of the filler shall be prepared according to Formula AK-974 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-974.

-/ denotes change

WNG/gvp

SGP 0017819

January 10, 1977
Supersedes Formula AK-975
Dated: 6/25/76

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	1.00	40
-/Limestone	Filler	13	81.025	3241
Mica	Anti-Cracking	11	10.00	400
Methocel K4M	Water Retention	163	.50	20
Cosan JTA 20	Preservative	193	.10	4
Attagel 40	Bulking Agent	8	1.50	60
Portland Cement	pH Stabilizer	51&136	.40	16
Aluminum Sulfate	pH Stabilizer	52	.40	16
Pyrophyllite SK	Bulking Agent	--	5.00	200
-/Sorbitol (powdered)	Borax Stabilizer	--	.075	3
			100.00	4000

<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	

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

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

NOTE: A wet mix of the filler shall be prepared according to Formula AK-974 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-974.

-/ denotes change

WNG/gvp

SGP 0017820

February 23, 1977
Supersedes Formula AK-975
Dated: 1/10/77

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	1.00	40
Limestone	Filler	13	81.025	3241
Mica	Anti-Cracking	11	10.00	400
-/ Galactosol 413 WD	Water Retention	163	.50	20
-/*Cosan JTA 20	Preservative	193	.10	4
Attagel 40	Bulking Agent	8	1.50	60
Portland Cement	pH Stabilizer	51&136	.40	16
Aluminum Sulfate	pH Stabilizer	52	.40	16
Pyrophyllite SK	Bulking Agent	--	5.00	200
Sorbitol (powdered)	Borax Stabilizer	--	.075	3
			100.00	4000

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 AK-974 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-974.

*Troysan PMA 10 SEP may be substituted. Use at a loading of .20% (8 lbs./batch)

-/ denotes change

WNG:jg

SGP 0017821

May 5, 1977
Supersedes Formula AK-975
Dated: 2/23/77

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	.900	40
Limestone	Filler	13	84.068	3736
Mica	Anti-Cracking	11	7.314	325
-/ Galactosol 413 WD	Water Retention	163	.450	20
-/ Troysan	Preservative	193	.180	8
-/ Minugel FG	Bulking Agent	8	1.800	80
Portland Cement	pH Stabilizer	51&136	.360	16
Aluminum Sulfate	pH Stabilizer	52	.360	16
Pyrophyllite SK	Bulking Agent	--	4.500	200
Sorbitol (powdered)	Borax Stabilizer	--	.068	3
			100.00	4444

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 AK-974 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-974.

-/ denotes change

WNG:jg

SGP 0017822

August 19, 1977
Supersedes Formula AK-975
Dated : 5/5/77

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	.900	40
-/Limestone	Filler	13	84.653	3762
Mic	Anti-Cracking	11	7.314	325
Galactosol 413 WD	Water Retention		.450	20
Trosan	Preservative	193	.180	8
Minigel FG	Bulking Agent	8	1.800	80
-/Magnesium Oxide (Heavy)	Viscosity Stabilizer	--	.135	6
Pyrophyllite SK	Bulking Agent	--	4.500	200
-/Sorbitol (powdered)	Borax Stabilizer	--	.068	3
			100.000	4444

<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 for Formula SK-974 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-974.

-/ denotes change

HCF: jr

SGP 0017823

October 20, 1977
Supersedes Formula AK-975
Dated : 8/19/77

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	.900	40
Limestone	Filler	13	84.653	3762
Mica	Anti-Cracking	11	7.314	325
-/ Natrosol 250 HXR	Water Retention		.450	20
Troysan	Preservative	193	.180	8
Minugel FG	Bulking Agent	8	1.800	80
Magnesium Oxide (Heavy)	Viscosity Stabilizer	--	.135	6
Pyrophyllite SK	Bulking Agent	--	4.500	200
Sorbitol (powdered)	Borax Stabilizer	--	.068	3
			100.000	4444

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 for Formula SK-974 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-974.

-/ denotes change

WNG:jg

SGP 0017824

December 13, 1977
Supersedes Formula AK-975
Dated : 10/20/77

AKRON, NEW YORK PLANT FORMULA
READY MIX FILLER AK-975

DESCRIPTION OF PRODUCT - Filler for Ready Mix Joint Compound AK-974.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Hamico 267	Adhesive	23	.900	40
-/ Limestone	Filler	13	84.833	3770
Mica	Anti-Cracking	11	7.314	325
Natrosol 250 HXR	Water Retention		.450	20
Minugel FG	Bulking Agent	8	1.800	80
Magnesium Oxide (Heavy)	Viscosity Stabilizer	--	.135	6
Pyrophyllite SK	Bulking Agent	--	4.500	200
Sorbitol (powdered)	Borax Stabilizer	--	.068	3
			100.000	4444

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 for Formula SK-974 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-974.

-/ denotes change

HCF:jg

SGP 0017825

**AKRON FORMULA #975
ASBESTOS CONTAINING PRODUCTS**