

PLAINTIFF'S EXHIBIT

GP-689

CHICAGO FORMULA #948
ASBESTOS CONTAINING PRODUCTS

SGP 0017053

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-948 (SIMULATED ACOUSTIC) - NEW HEAVY GRADE
FOR SPRAY APPLICATION BESTEX C

DEFINITION OF PRODUCT - Bestex Texture (Simulated Acoustic Type) is a dry powder containing coarse aggregate, for mixing with water to produce simulated acoustic type finishes on gypsum wallboard ceilings, by the use of conventional spray texture equipment.

FORMULA*

Part A - PRE-MIX

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	143	7.20
Hi Calcium Lime	Open Market	-	10.08
Ammonium Oxalate	General Chem. Div.	-	24.48
	Allied Chemical Co.		
Titanox AD	Titanium Pigment Corp.	131	36.00
Lithopone 76	The Glidden Co.	-	180.00
Zeolex 23A	J. M. Huber Co.	-	180.00
Clay, ASP-100	Minerals Chemical Co.	167	360.00
Casein, 100 M	International Casein Co.	10	162.00
Staramic Starch 330	A. E. Staley Co.	-	144.00
Asbestos 7RF-9	Phillip Carey	9	540.00
Nalco 71-D5	Nalco Chemical Co.	-	2.70
Limestone	Thompson-Weinman Co.	13	765.54
			<u>2,412.00</u>

Part B - FINISHED PRODUCT

<u>Raw Material</u>	<u>Source</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Pre-Mix (Part A)	Chicago Plant	67.0	350.0
Perlite (plaster grade)	Grand Rapids Plant	16.5	86.0
Perlite (concrete grade)	Perlite Industries	<u>16.5</u>	<u>86.0</u>
		<u>100.0</u>	<u>522.0</u>

WATER CARRYING CAPACITY - Part A
Part B

ALKALINITY - Refer to Plant Testing Procedure No. 34.

pH Specifications: Maximum Minimum Average

Part A

HARDNESS & ADHESIVE PROPERTIES - (Perform on Part A)

Rkt

SGP 0017054

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-948 (SIMULATED ACOUSTIC) - NEW HEAVY GRADE
FOR SPRAY APPLICATION BESTEX C

DEFINITION OF PRODUCT - Bestex Texture (Simulated Acoustic Type) is a dry powder containing coarse aggregate, for mixing with water to produce simulated acoustic type finishes on gypsum wallboard ceilings, by the use of conventional spray texture equipment.

FORMULA*

Part A - PRE-MIX

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Lbs./Batch</u>
Vancide 512	R. T. Vanderbilt Co.	143	7.20
Hi Calcium Lime	Open Market	-	10.08
Ammonium Oxalate	General Chem. Div.	-	24.48
	Allied Chemical Co.		
Titanox AD	Titanium Pigment Corp.	131	36.00
Lithopone 76	The Glidden Co.	-	180.00
Zeolex 23A	J. M. Huber Co.	-	180.00
Clay, ASP-100	Minerals Chemical Co.	167	360.00
Casein, 100 M	International Casein Co.	10	162.00
Staramic Starch 330	A. E. Staley Co.	-	144.00
Asbestos 7RF-9	Phillip Carey	9	540.00
Nalco 71-D5	Nalco Chemical Co.	-	2.70
Limestone	Thompson-Weinman Co.	13	765.54
			<u>2,412.00</u>

Part B - FINISHED PRODUCT

<u>Raw Material</u>	<u>Source</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Pre-Mix (Part A)	Chicago Plant	67.0	350.0
Perlite (plaster grade)	Grand Rapids Plant	16.5	86.0
Perlite (concrete grade)	Perlite Industries	16.5	86.0
		<u>100.0</u>	<u>522.0</u>

WATER CARRYING CAPACITY - Part A
Part B

ALKALINITY - Refer to Plant Testing Procedure No. 34.

pH Specifications: Maximum Minimum Average

Part A

HARDNESS & ADHESIVE PROPERTIES - (Perform on Part A)

Kkt

SGP 0017055

**CHICAGO FORMULA #945
ASBESTOS CONTAINING PRODUCTS**

SGP 0016971

#158

CHICAGO, ILLINOIS, PLANT FORMULA
G-P WALL TEXTURE NO. C-945

DESCRIPTION OF PRODUCT - A dry powder product, containing no aggregate for mixing with water to product textured finished on gypsum wallboard by means of spraying, rolling, or troweling.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Limestone	Filler	13	85.075	3403
Staramic 747	Adhesive	192	2.500	100
Hamico 267	Adhesive	23	1.875	75
TiO ₂	Pigment	221	2.500	100
Celatom	Pigment	94	2.500	100
Mica	Anticracking Agent	11	3.125	125
Vancide	Fungicide	126	0.125	5
Galactosol 413 WD	Thickener	223	0.125	5
Attagel 40	Thickener		1.875	75
Aluminum Sulphate	pH control	52	.300	12
			<u>100.000</u>	<u>4000</u>

WORKING CONSISTENCY - Mix at 85 w/p - Allow to soak for 10 minutes and check
Specifications: brabender.

	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Brabender Number	- 120	80	100

WORKING PROPERTIES - Refer to plant testing procedure No. 33. Material
Specifications: shall be plastic, and free from any coarse, gritty or undispersed particle. Material shall be free from lumps due to incomplete mixing.

BONDING PROPERTIES - Refer to plant testing procedure No. 35. After
Specifications: compound has dried tape shall show at least a 90% fiber tear when delaminated.

COLOR - White - - Color shall match standard sample.
Specifications:

VANCIDE SPOT TEST - Test Procedure No. 68.
Specifications:

STARCH SPOT TEST - Test Procedure No. 112
Specifications:

GWG:jr



**CHICAGO FORMULA #942
ASBESTOS CONTAINING PRODUCTS**

SGP 0016910

CHICAGO FORMULA # 942
ASBESTOS CONTAINING PRODUCTS

SGP 0016911

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-942 (PLAIN) - BESTEX A

DEFINITION OF PRODUCT - Bestex Texture (Plain Type) is a dry product containing no aggregate, for mixing with water to produce textured finishes on gypsum wallboard, by the use of conventional spray texture or hand equipment.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	143	0.15	6.0
Hi Calcium Lime	Open Market	-	0.20	8.0
Ammonium Oxalate	General Chemical Div. Allied Chemical Co.	-	0.50	20.0
Titanox AWD	Titanium Pigment Corp.	131	1.00	40.0
Lithopone 76	The Glidden Co.	-	5.00	200.0
Zeolex 23A	J. M. Huber Co.	-	5.00	200.0
Clay, ASP-100	Minerals Chemical Co.	167	5.00	200.0
Casein, 100 M	International Casein Co.	10	3.00	120.0
Staramic Starch 330	A. E. Staley Co.	-	3.00	120.0
Asbestos 7RF-9	Phillip Carey	9	8.50	340.0
Mica P80H	Western Mica Co.	11	9.00	360.0
Nalco 71-D5	Nalco Chemical Co.	-	0.05	2.0
Limestone	Thompson-Weinman Co.	13	59.60	2384.0
			100.00	4000.0

WATER CARRYING CAPACITY - Maximum _____ Minimum _____ Average _____

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum _____ Minimum _____ Average _____

HARDNESS & ADHESIVE PROPERTIES -

PROCEDURE & SPECIFICATIONS - At _____, W/DW, with a 5-inch broad knife, make a 1/16 inch thick application. Embed a piece of joint system tape in a portion of this application. Allow application to thoroughly dry and check for bonding of tape and hardness by scuffing with fingernails.

Tape should delaminate when peeled back. Fingernail hardness should be equal to that of standard sample.

WATER RESISTANCE -
Specifications: 24 hours after the texture is dry, it should not soften immediately when rewetted.

COLOR - Flat White
Specification: Color of application is to match color of standard sample.

February 16, 1968
Supersedes Formula No. C-942
Dated 12/8/67

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-942 (PLAIN) - BESTEX A

DESCRIPTION OF PRODUCT - Bestex Texture (Plain Type) is a dry product containing no aggregate, for mixing with water to produce textured finishes on gypsum wallboard, by the use of conventional spray texture or hand equipment.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.15	6.0
Hi Calcium Lime	Alkaline Source	12	0.20	8.0
Ammonium Oxalate	Alkaline Source	-	0.50	20.0
Titanox AWD	Whitener	131	1.00	40.0
Lithopone 76	Promotes slicker working	-	5.00	200.0
Zeolex 23A	Whitener	-	5.00	200.0
Clay ASP-100	Promotes slicker working	167	5.00	200.0
Casein 100 M	Adhesive	10	3.00	120.0
Staramic Starch 330	Adhesive	192	3.00	120.0
Asbestos 7RF-9	Bulk	9	8.50	340.0
Mica P80 H	Anti Cracking Agent	11	9.00	360.0
Nalco 71-D5	Anti Foaming Agent	-	0.05	2.0
Limestone	Filler	13	<u>59.60</u>	<u>2384.0</u>
			100.00	4000.0

-/	<u>WATER CARRYING CAPACITY</u>	-	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
			65	61	63

-/	<u>ALKALINITY</u>	-	Refer to Plant Testing Procedure No. 34.		
	<u>pH Specifications:</u>		<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
			9.5	8.8	9.1

-/ HARDNESS & ADHESIVE PROPERTIES -
Procedure & Specifications: At 75 W/DM, with a 5-inch broad knife, make a 1/16 inch thick application. Embed a piece of joint system tape in a portion of this application. Allow application to thoroughly dry and check for bonding of tape and hardness by scuffing with fingernails.

Tape should delaminate when peeled back. Fingernail hardness should be equal to that of standard sample.

WATER RESISTANCE -
Specifications: 24 hours after the texture is dry, it should not soften immediately when rewetted.

COLOR - Flat White
Specifications: Color of application is to match color of standard sample.

-/ Denotes change in this reissue

May 7, 1970
Supersedes Formula C-942
Dated 2/16/69

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-942 - BESTEX A

DESCRIPTION OF PRODUCT - Bestex A is a dry powdered product containing no aggregate, for mixing with water to produce textured finishes on gypsum wallboard by means of spraying, or by using conventional hand equipment.

-/ FORMULA (Limestone Formula)

<u>Raw Material</u>	<u>Function</u>	<u>R.M.Spec.#</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Gelvatol RS-6219	Adhesive	162	2.0	40
Starch (Staramic 330)	Adhesive	192	4.0	80
Titanox AWD	Pigment	131	2.0	40
Zeolex 23A	Pigment extender	197	7.0	140
Asbestos 7RF-9	Fiber Filler	170	8.0	160
Vanicide 512	Fungicide	126	0.15	3
Nalco 71-D5	Antifoaming agent	196	0.1	2
Limestone	Filler vehicle	13	71.725	1434.5
Mica P80H	Anticracking agent	11	5.0	100
Petro AD	Wetting agent	143	.025	0.5
			100.000	2000.0

TESTING PROCEDURE

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60	50	55

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 - 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: There shall be no large fissure cracks in the wedge, and no cracks in the thinner half of the wedge.

Vanicide Spot Test: - Refer to Plant Testing Procedure No. 68.

Starch Spot Test: - Refer to Plant Testing Procedure No. 112.

-/ Denotes change in this reissue.

EDO:dek

SGP 0016914

July 2, 1970
Supersedes Formula No. C-942
Dated 2/16/68

CHICAGO, ILLINOIS PLANT FORMULA

BESTEX TEXTURE NO. C-942 (PLAIN) - BESTEX A

DESCRIPTION OF PRODUCT

- Bestex Texture (Plaint Type) is a dry product containing no aggregate, for mixing with water to produce textured finishes on gypsum wall-board, by the use of conventional spray texture or hand equipment.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M.Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Vancide 51Z	Fungicide	126	0.15	6.0
Hi Calcium Lime	Alkaline Source	12	0.20	8.0
Ammonium Oxalate	Alkaline Source	-	0.50	20.0
Titanox AWD	Whitener	131	1.00	40.0
Lithopone 76	Promotes slicker working	-	5.00	200.0
Zeolex 23A	Whitener	-	5.00	200.0
Clay ASP-100	Promotes slicker working	167	5.00	200.0
Casein 100 M	Adhesive	10	3.00	120.0
Staramic Starch	Adhesive	192	3.00	120.0
Asbestos 7RF-9	Bulk	9	8.50	340.0
Mica P80H	Anti Cracking Agent	11	9.00	360.0
Nalco 71-D5	Anti Foaming Agent	-	0.05	2.0
Limestone	Filler	13	59.60	2384.0
			100.00	4000.0

WATER CARRYING CAPACITY

-	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	65	61	63

ALKALINITY

pH Specifications:

-	Refer to Plant Testing Procedure No. 34.		
	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	9.5	8.8	9.1

HARDNESS & ADHESIVE PROPERTIES

Procedure & Specifications: At 75 W/DM, with a 5-inch broad knife, make a 1/16 inch thick application. Embed a piece of joint system tape in a portion of this application. Allow application to thoroughly dry and check for bonding of tape and hardness by scuffing with fingernails.

Tape should delaminate when peeled back. Fingernail hardness should be equal to that of standard sample.

WATER RESISTANCE

Specifications:

24 hours after the texture is dry, it should not soften immediately when rewetted.

COLOR

Specifications:

Flat White

Color of application is to match color of standard sample.

February 25, 1971
Supersedes Formula No. 0-941
Dated 7/2/70

CHICAGO, ILLINOIS PLANT FORMULA

"BESTON" TEXTURE NO. 0-942 (PLAIN) - "BESTON" A

DESCRIPTION OF PRODUCT

- Boston Texture (Plain Type) is a dry material containing no aggregate, for mixing with water to produce textured finishes on gypsum wall-board, by the use of conventional spray texture or hand equipment.

<u>Ingredient</u>	<u>Function</u>	<u>P.M. Spec.</u>	<u>Percent</u>	<u>Std. Rate</u>
Portland Cement	Fungicide	126	1.15	1.0
Hydrated Lime	Alkaline Source	12	0.20	0.0
Barium Sulfate	Alkaline Source	-	0.50	10.0
Titanium Dioxide	Whitener	131	1.00	10.0
Calcium Hydroxide	Promotes slicker working	-	0.00	200.0
Sodium Silicate	Whitener	-	0.00	200.0
Calcium Hydroxide	Promotes slicker working	167	0.00	200.0
Insulin 1000	Adhesive	10	0.00	100.0
Stearic Acid	Adhesive	192	0.00	120.0
Calcium Hydroxide	Bulk	9	0.50	340.0
Anti-Creep	Anti-Creeping Agent	11	0.00	160.0
Defoamer Mill	Anti-foaming Agent	196	0.00	0.0
Filler	Filler	13	0.00	200.0
			<u>100.00</u>	<u>1000.0</u>

TESTING METHODS AND SPECIFICATIONS

- Maximum Minimum Acceptable
0.5 0.1 0.5

TESTING METHOD

- Refer to Plant Testing Procedure No. 1-1.

TESTING SPECIFICATIONS:

- Minimum Minimum Acceptable
0.5 0.5 0.5

TESTING METHOD AND SPECIFICATIONS

Procedure & Specifications: At 75 W/DK, with a 5-inch broad blade, make a 1/16 inch thick application. Embed a piece of joint system tape in a portion of this application. Allow application to thoroughly dry and check for bonding of tape and hardness by scuffing with fingernails.

Tape should delaminate when peeled back. Fingernail hardness should be equal to that of standard sample.

TESTING METHOD AND SPECIFICATIONS:

14 hours after the texture is dry, it should not soften immediately when rewetted.

TESTING METHOD

Flat White

TESTING SPECIFICATIONS:

Color of application is to match color of standard sample.

- No change in this reissue.

10/1/71

SGP 0016916

**CHICAGO FORMULA #937
ASBESTOS CONTAINING PRODUCTS**

March 30, 1972
Chicago Formula #C-937.
NEW

CHICAGO ILLINOIS PLANT FORMULA
BEDDING COMPOUND C-937

DESCRIPTION OF PRODUCT - White Bedding Compound for bedding joints.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Defoamer MIII	Antifoaming Agent	196	0.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking Agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		3.00	120.00
Limestone	Filler		83.78	3351.20
			100.00	4000.00

WORKING CONSISTENCY
Specifications:

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

71 65 68

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications:

- There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications:

- Neutral dried compound should match the color of standard sample.

EDO:elz

SGP 0016817

July-27, 1972
Supersedes Chicago #937
Dated 3/30/72

CHICAGO ILLINOIS PLANT FORMULA
BEDDING COMPOUND C-937

DESCRIPTION OF PRODUCT - White Bedding Compound for bedding joints.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Defoamer MIII	Antifoaming Agent	196	.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking Agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		3.75	150.00
Limestone	Filler		<u>83.03</u>	<u>3321.20</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
71	65	68

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.

Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications:

- There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications:

- Neutral dried compound should match the color of standard sample.

EDO:elz

SGP 0016818

August 25, 1972
Supersedes: Chicago Formula #C-937
Dated 3/30/72

CHICAGO ILLINOIS PLANT FORMULA
BEDDING COMPOUND C-937

DESCRIPTION OF PRODUCT - White Bedding Compound for bedding joints.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Defoamer MIII	Antifoaming Agent	196	0.020	1.00
Fungicide	Fungicide	126	0.050	2.00
Asbestos 75F09	Bulking Agent	9	4.250	170.00
Asbestos SG210	Bulking Agent	-	1.500	60.00
Nattrosol 250 HMR	Water Retention Aid	170	0.200	8.00
Mica	Anticracking Agent	11	7.000	280.00
Calgon T	Dispersant	-	0.200	8.00
Dow Resin 164 (MD76646)	Adhesive		4.375	175.00
Limestone	Filler		82.405	3296.20
			100.00	4000.00

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
71	65	68

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications: - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - Neutral dried compound should match the color of standard sample.

DDO:alz

**CHICAGO FORMULA #936
ASBESTOS CONTAINING PRODUCTS**

SGP 0016797

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 4, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. J. Van - Portland~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. G. W. Lehner - Tigard~~
~~Tigard Lab~~
~~Mr. E. B. Hollingsworth - Wilmington~~

Upsh

Enclosed please find the following NEW Chicago, Illinois Plant Formulas:

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW

The following Chicago, Illinois Plant Formulas have been Cancelled:

C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW
C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

SIGNED W. A. Petral PLANT _____ DATE 5/4/77

WNG/gvp
5/4/77

SGP 0016798

May 10, 1976
Formula C-936
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

<u>FORMULA</u>		<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>	
<u>RAW MATERIAL</u>	<u>R.M. Spec</u>	<u>%</u>	<u>LBS/BATCH</u>		
MICA	11	12	480		
PHYOPHYLITE	—	5	200		
MINUGEL FG	—	2.5	100		
CELATOM MW 27	—	2.0	80		
LIMESTONE	13	72.9775	2919.1		
PETRO AD	126	.10	4.0		
VANCIDE	143	.075	3.0		
NATROSOL	170	.40	16.0		
ZINC OXIDE	119	.06	2.4		
SODA ASH	32	.20	8.0		
FORAX	37	.10	4.0		
STARAMIC 747	192	2.5	100.0		verage
CASEIN	10	2.0	80.0		62
M111	196	.025	1.0		38
ALUMINUM SULFATE	—	.0625	2.5		9.0
TOTALS		100%	4000.0		8.4
					ing and

Crack Resistance

No. 37 - There shall be at most only a couple of fine cracks in the wedge.

Color

- Dried compound shall match the color of a standard sample and be free of color streaks.

WNG/gvp

SGP 0016799

May 10, 1976
Formula C-936
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	126	0.100	4
Vancide	143	0.075	3
Natrosol 250 HXR	170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer Mill	196	.025	1
Limestone	13	<u>81.550</u>	<u>3262</u>
		100.000	4000

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- Dried compound shall match the color of a standard sample and be free of color streaks.			

WNG/gvp

SGP 0016800

APR 22, 1977
May 10, 1976
Formula C-936-050
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND G-936-050

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

ULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	126	0.100	4
Vancide	143	0.075	3
Natrosol 250 HXR	170	0.400	16
Zinc Oxide	119	0.0375	1.5
Soda Ash	32	0.125	5
Borax	37	0.0625	2.5
Staramic 747	192	3.125	125
Casein	10	1.250	50
Asbestos 7RF-02	9	3.250	130
Mica	11	10.000	400
Defoamer Mill	196	.025	1
Limestone	13	81.550	3262
		100.000	4000

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	60	55	58
Alkalinity - pH	No. 34	9.2	8.8	9.0
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color	- Dried compound shall match the color of a standard sample and be free of color streaks.			

WNG/gvp

SGP 0016801

March 30, 1972
Chicago Formula #C-936
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Defoamer MIII	Antifoaming Agent	196	4.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking Agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		2.50	100.00
Limestone	Filler		84.28	3371.20
			100.00	4000.00

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
71	65	68

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.

Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications:

- There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications:

- Neutral dried compound should match the color of standard sample.

EDO:elz

SGP 0016802

August 25, 1972
Supersedes: Chicago Formula #C-936
Dated March 30, 1972

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Defoamer M-11	Antifoaming Agent	196	.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking Agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (ND76646)	Adhesive		3.75	150.00
Limestone	Filler		<u>83.03</u>	<u>3321.00</u>
			100.00	4000.00

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

71 65 68

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications: - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - Neutral dried compound should match the color of standard sample.

EDO:elz

SGP 0016803

October 3, 1972
Supersedes Chicago C-936
Dated 8/25/72

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Deafoamer MIII	Antifoaming Agent	196	.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RFO9	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		3.125	125.00
Limestone	Filler		<u>83.655</u>	<u>3346.20</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to plant testing procedure no. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
71	65	68

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.

Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications

- Neutral dried compound should match the color of standard sample.

-/ denotes change

EDO:elz

SGP 0016804

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-936

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Deafoamer MIII	Antifoaming Agent	196	.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water Retention Aid	170	0.20	8.00
Mica	Anticracking agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		3.125	125.00
Limestone	Filler		<u>83.655</u>	<u>3346.20</u>
			100.00	4000.00

WORKING CONSISTENCY
Specifications

- Refer to plant testing procedure no. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
71	65	68

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications

- There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications

- Neutral dried compound should match the color of standard sample.

-/ NOTE: For yellow compound, add 4 lbs. of yellow oxide 2087 per batch.

EDO:eiz

-/ denotes change

**CHICAGO FORMULA #935
ASBESTOS CONTAINING PRODUCTS**

SGP 0016767

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Gendriv 492S	Thickener	223	.40	20.00
Vanicide	Fungicide	126	.05	2.50
Gelvaton 6000	Adhesive	162	.85	42.50
Attagel 40	Fiber Filler	9	4.00	200.00
Mica p80-H	Anticracking agent	11	7.00	350.00
Nalco	Antifoaming agent	--	.05	2.50
Limestone	Filler	--	86.80	4340.00
Gelvaton 3000	Adhesive	162	.85	42.50
			100.00	5000.00

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall dealminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow
Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 8 lbs. of yellow oxide per batch.

WNG:jg

CHICAGO, ILLINOIS, PLANT FORMULA
ALL PURPOSE JOINT COMPOUND C-935

-/ DESCRIPTION OF PRODUCT - Compound for taping joints and finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Defoamer MIII	Antifoaming Agent	196	.02	1.00
Vanicide	Fungicide	126	0.05	2.00
Asbestos 7RF09	Bulking Agent	9	4.25	170.00
Asbestos SG210	Bulking Agent	-	1.50	60.00
Natrosol 250 HXR	Water retention Aid	170	0.20	8.00
Mica	Anticracking Agent	11	7.00	280.00
Calgon T	Dispersant	-	0.20	8.00
Dow Resin 164 (XD76646)	Adhesive		3.75	150.00
Limestone	Filler		<u>83.03</u>	<u>3321.20</u>
			100.00	4000.00

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	71	65	68

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

Specifications - Wet Mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.
Specifications

COLOR

Specifications - Neutral dried compound should match the color of standard sample.

Note: For yellow compound add 4 lbs. of yellow oxide 2087 per batch.

EDO:elz

-/ denotes change

November 5, 1974
Supersedes Formula C-935
Dated 10/9/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	
Gendriv	Thickener	222	.60	21
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.55	344
Gelvitol 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>405</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

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

Specifications: Wet mix shall be plastic and buttery workable and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

-/ COLOR
Specifications: Yellow or white
Dried compound shall not vary in color from preceding batches.

-/ *For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

SGP 0016770

November 5, 1974
Supersedes Formula C-935
Dated 10/9/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	
Gendriv	Thickener	222	.60	21
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	.85	32
Attagel 40	Fiber Filler	9	4.00	100
Mica p80-H	Anticracking agent	11	7.00	210
Limestone	Filler	--	86.55	3400
Gelvatol 3000	Adhesive	162	.85	32
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

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

Specifications: Wet mix shall be plastic and buttery workable and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

-/ COLOR
Specifications: - Yellow or white
Dried compound shall not vary in color from preceding batches.

-/ *For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

SGP 0016771

December 5, 1974
Supersedes Formula C-935
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.65	3466
Gelvitol 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

SGP 0016772

December 5, 1974
Supersedes Formula C-935
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.65	3466
Gelvaton 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

SGP 0016773

March 10, 1971
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-935

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads. To be supplied on special request only.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Calgon T	Slip agent	-	0.150	6.0
Vandice 512	Fungicide	126	0.075	3.0
Natrosol 250 HMR	Water retention	170	0.400	16.0
Zinc Oxide MN-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Dorax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P30 H	Anti-Cracking Agent	11	13.000	520.0
Defoamer M111	Anti-Foaming Agent	196	.050	2.0
Limestone	Filler	13	76.225	3049.0
			100.000	4000.0

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

	67	63	65
--	----	----	----

ALALKINITY - Refer to Plant Testing Procedure No. 34.
ph Specifications Maximum Minimum Average

	9.2	8.8	9.0
--	-----	-----	-----

Minimum soda ash content - 0.35%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications Neutral dried compound should match the color of standard sample.

**CHICAGO FORMULA #934
ASBESTOS CONTAINING PRODUCTS**

SGP 0016719

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 4, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. J. Van - Portland~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. G. W. Lehner - Tigard Lab~~ *THIS COULD BE*
~~Mr. E. B. Hollingsworth - Wilmington~~

Check

Enclosed please find the following NEW Chicago, Illinois Plant Formulas:

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW

The following Chicago, Illinois Plant Formulas have been Cancelled:

C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-952	ALL PURPOSE COMPOUND	NEW
C-934	TOPPING COMPOUND	NEW
C-936	TOPPING COMPOUND	CANCELLED
C-956	ALL PURPOSE COMPOUND	CANCELLED
C-970	READY MIX FILLER	CANCELLED
C-973	READY MIX FILLER	CANCELLED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	CANCELLED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	CANCELLED

SIGNED W. H. Petter PLANT _____ DATE 5/4/77

WNG/gvp
5/4/77

SGP 0016720

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:

September 2, 1977

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab ~~THIS COPY FOR~~

Clasid

Enclosed please find the following Chicago Illinois, Plant Formula revisions and cancellations:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

SIGNED

U. H. Y

PLANT

DATE

9/2/77

WNG/9/2/77

SGP 0016721

~~CLOSED~~
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934 /	TOPPING COMPOUND	Revised

-----Please sign and return the attached tear sheet.-----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jones Plant: LAB Date: 1-22-80

HCF:PS
1/18/80

SGP 0016722

August 29, 1978
Plant Formula C-934
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT

Topping compound for finishing joints and
spotting nailheads for selected market
trials only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>lbs/Batch</u>
Aquafil-K8	Bulking Agent		9.00 0 1	400
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvato1 6000	Adhesive	162	.990	44
Minugel FG	Fiber Filler		4.500	200
Mica p80-H	Anticracking Agent	11	10.12 86	450
Limestone	Filler	13	73.72 52 3	3276 3270
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer		.180 .315	8 14
			100.000	4444

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.

Specifications:

Wet mix shall be plastic and buttery working and
free of grit or coarse particles.

BONDING PROPERTIES

- Refer to Plant Testing Procedure No. 35.

Specifications:

After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small
cracks in the wedge.

COLOR

- Yellow or white

Specifications:

Dried compound shall not vary in color from preceding
batches.

*For white compound, delete yellow oxide from batch.

HCF:lj

8/29/78

SGP 0016723

CLOSED

10/19/81

GEORGIA-PACIFIC CORPORATION
Gypsum Division
Tigard, Oregon

October 1, 1981

TO:

~~Mr. Pat Hudgens - Portland~~
~~Mr. J. M. Herndon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

PLEASE CANCEL THE FOLLOWING CHICAGO, ILLINOIS PLANT FORMULAS:

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

----- Please sign and return the attached tear sheet to the Tigard Lab. -----

TO: TIGARD GYPSUM LAB
Tigard, Oregon

(Plant Formula)

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

Signed: B. W. Randall Plant: _____ Date: _____

BGR:ps
10/1/81

SGP 0016724

January 18, 1980
Supersedes Plant Formula C-934
Dated: 8/29/78

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT

Topping compound for finishing joints and
spotting nailheads for selected market
trials only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>lbs/Batch</u>
-/ Aquafil-K8	Bulking Agent		9.001	400
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler		4.500	200
-/ Mica p80-H	Anticracking Agent	11	10.126	450
-/ Limestone	Filler	13	73.583	3270
Hamico 267	Adhesive	23	.900	40
-/ Sorbitol (Powdered)	Borax Stabilizer		.315	14
			100.000	4444

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and
free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small
cracks in the wedge.

COLOR

Specifications:

- Yellow or white
Dried compound shall not vary in color from preceding
batches.

*For white compound, delete yellow oxide from batch.

HCF:ps

SGP 0016725

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

August 29, 1978

TO:

Mr. M. A. Palmowski - Chicago
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van Portland~~
~~Ms. R. L. Kerl - Portland~~
~~Mr. C. W. Lehnert - Tigard~~
~~Tigard Lab~~ THIS COPY FOR

Enclosed please find the following Chicago, Illinois, New Plant Formula.

C-934

TOPPING COMPOUND

NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-934

TOPPING COMPOUND

NEW

SIGNED PLANT DATE

HCF

8/29/78

SGP 0016726

New

~~Supersedes Formula C-933~~ C-934
 Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
 TOPPING COMPOUND ~~C-933~~ C-934

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailhead
 FOR SELECTED MARKET TRIALS ONLY.

FORMULA

Raw Material	Function	RM SPEC	Percent	Lbs/Batch
AQUAFIX-K 8	BULKING AGENT	-	9.000	450
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler	-	45 5.626	250 200
Mica p80-H	Anticracking agent	11	10.125 19.127	850 450
-/ Limestone	Filler	13	73.72 72.592	3226 3276
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

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

Specifications:	Maximum	Minimum	Average
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016727

January 18, 1980
Supersedes Plant Formula C-934
Dated: 8/29/78

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT

Topping compound for finishing joints and spotting nailheads for selected market trials only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>lbs/Batch</u>
-/ Aquafil-K8	Bulking Agent		9.001	400
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler		4.500	200
-/ Mica p80-H	Anticracking Agent	11	10.126	450
-/ Limestone	Filler	13	73.583	3270
Hamico 267	Adhesive	23	.900	40
-/ Sorbitol (Powdered)	Borax Stabilizer		.315	14
			100.000	4444

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- Yellow or white
Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

HCF:ps

SGP C016728

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT - Buff Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.075	3.0
Natrosol 250 IHR (Fine Grind)	Hercules Powder Co.	170	0.400	16.0
Zinc Oxide	Mallinkrodt Co.	119	0.100	4.0
Soda Ash	Open Market	32	0.350	14.0
Borax (Powdered)	Riverside Chem. Co.		0.150	6.0
Yellow Oxide 2087	C. K. Williams Co.	139	0.100	4.0
Casein 100 M	International Casein Co.	10	4.000	160.0
Asbestos 7RF9	Phillip Carey	9	5.500	220.0
Mica P80H	Western Mica Co.	11	13.000	520.0
Naico 71-D5	Naico Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	76.500	3052.0
			100.000	4000.0

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	71	65	68

ALKALINITY - Refer to Plant Testing Procedure No. 34.

<u>pH Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	9.2	8.6	9.0

Minimum soda ash content - 0.35%.

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

Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE

Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -

Specifications: Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT - Buff Topping Compound for topping joints and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Natrosol 250 HXR	Water Retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alklaine Source	37	0.150	6.0
Yellow Oxide 2087	Pigment	139	0.100	4.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti Cracking Agent	11	13.000	520.0
Nalco 71-D5	Anti Foaming Agent	-	0.025	1.0
Limestone	Filler	13	76.300	3052.0
			100.000	4000.0

-/ WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

-/ Denotes change in this reissue.

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND 6-134

DESCRIPTION OF PRODUCT - Buff Topping Compound for topping joints and spelling nailheads.

<u>Ingredient</u>	<u>Function</u>	<u>Part. Spec.</u>	<u>Formula</u>	<u>Parts per 100</u>
Versicol 510	Fungicide	126	0.075	0.0
Natrolol 250 HMR	Water Retention	170	0.475	16.0
Vinc Onite XII-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Sorbin	Alkaline Source	37	0.150	6.0
Yellow Oxide 1087	Pigment	139	0.100	4.0
Coscin 100 M	Adhesive	10	4.000	160.0
Alkylol TBT-9	Bulk	9	3.300	132.0
Anti-Cracking	Anti Cracking Agent	11	10.000	400.0
Defoamer M11	Anti Foaming Agent	196	0.015	1.0
Fillers	Filler	18	74.000	2960.0
			<u>100.000</u>	<u>4000.0</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

MINIMUM - Refer to Plant Testing Procedure No. 34.

<u>Specifications:</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Average</u>
	9.1	8.8	9.0

Minimum soda ash content - 0.35%

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

Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE

Specifications: There shall be at most only a couple of very small cracks in the wedge.

NOTE

Specifications: Dried compound should match the color of ivory ballpoint paper closely and be free of color streaks.

- Donates change in this reissue.

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

-/ DESCRIPTION OF PRODUCT - Buff Topping Compound for topping joints and spotting nailheads.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vandice 512	Fungicide	126	0.075	3.0
Macrosol 250 HXR	Water Retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alkaline Source	37	0.150	6.0
Yellow Oxide 2087	Pigment	139	0.100	4.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 M	Anti Cracking Agent	11	13.000	520.0
Defoamer M111	Anti Foaming Agent	196	0.025	1.0
Limestone	Filler	13	76.300	3052.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

EDO:elz

-/ Denotes change in this reissue.

SGP 0016732

January 19, 1973
Supersedes C-934
Dated Dec. 5, 1972

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-934

-/ DESCRIPTION - Topping Compound for topping joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Natrosol 250 HXR	Water Retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti cracking agent	11	13.000	520.0
Defoamer M111	Anti foaming agent	196	0.025	1.0
Limestone	Filler	13	<u>76.400</u>	<u>3056.0</u>
			100.000	4000.0

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

ALKALINITY

- Refer to Plant Testing Procedure No. 34.

<u>pH Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	9.2	8.8	9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE
Specifications:

There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specification - Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

-/ NOTE: For yellow compound, add 4 lbs. of yellow oxide 2087

EDO:elz

-/ denotes change

SGP 0016733

August 9, 1974
Supersedes C-934
Dated 1/19/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION - Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
-/ Methocel 228	Water Retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti cracking agent	11	13.000	520.0
Defoamer M111	Anti foaming agent	196	0.025	1.0
Limestone	Filler	13	76.400	3056.0
			100.000	4000.0

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

ALKALINITY

- Refer to Plant Testing Procedure No. 34.

<u>pH Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	9.2	8.8	9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE

Specifications:

There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specification

- Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

NOTE: For yellow compound, add 4 lbs. of yellow oxide 2087

WNG:elz

-/ denotes change

SGP 0016734

May 4, 1977
Formula C-934
NEW

CHICAGO, ILLINOIS PLANT FORMULA
TOPPING COMPOUND C-934

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Mica	11	12.0000	480
Pyrophyllite	-	5.0000	200
Minugel FG	-	2.5000	100
Celatom MW 27	-	2.0000	80
Limestone	13	72.9775	2919.1
Petro AD	126	.1000	4.0
Vancide	143	.0750	3.0
Natrosol	170	.4000	16.0
Zinc Oxide	119	.0600	2.4
Soda Ash	32	.2000	8.0
Borax	37	.1000	4.0
Staramic 747	192	2.5000	100.0
Casein	10	2.0000	80.0
Mlll	196	.0250	1.0
Aluminum Sulfate	-	<u>.0625</u>	<u>2.5</u>
		100.0000	4000.0

<u>SPECIFICATIONS</u>	<u>- Testing Procedure</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
Working Consistency	No. 32	65	58	62
Alkalinity - pH	No. 34	8.6	8.2	8.4
Working Properties	No. 33 - Wet mix shall be plastic working and free of grit or coarse particles.			
Crack Resistance	No. 37 - There shall be at most only a couple of fine cracks in the wedge.			
Color - White or Yellow* -	Dried compound shall match the color of a standard sample and be free of color streaks.			

*For Yellow compound add 4 lbs. yellow oxide per batch.

WNG/gvp

SGP 0016735

**CHICAGO FORMULA #933
ASBESTOS CONTAINING PRODUCTS**

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Chick

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED WNG PLANT DATE 5/8/75

WNG

SGP 0016670

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 19, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Please find enclosed the following Chicago, Illinois Plant Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED W A G PLANT _____ DATE 1-21-76
WNG

SGP 0016671

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

TO:

Closed

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED 11/16 PLANT _____ DATE 12/3/75

WNG

SGP 0016672

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 5, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, plant
formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED W. A. J. PLANT _____ DATE 9/8/75

WNG

SGP 0016673

~~CLOSED~~
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

----- Please sign and return the attached tear sheet. -----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jones Plant: LAB Date: 1-22-80

HCF:PS
1/18/80

SGP 0016674

January 10, 1977
Supersedes Formula C-933
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment	-	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler	-	5.626	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	72.592457	3226 3220
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180315	814
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016675

January 10, 1977.
Supersedes Formula C-933
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment	-	.090	4
Natrosol 250 HXR-	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler	-	5.626	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	72.592	3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016676

~~CLOSED~~
10/19/81

GEORGIA-PACIFIC CORPORATION
Gypsum Division
Tigard, Oregon

October 1, 1981

TO:

~~Mr. Pat Hudgens - Portland~~
~~Mr. J. M. Herndon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

PLEASE CANCEL THE FOLLOWING CHICAGO, ILLINOIS PLANT FORMULAS:

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 ✓ Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

----- Please sign and return the attached tear sheet to the Tigard Lab. -----

TO: TIGARD GYPSUM LAB
Tigard, Oregon

(Plant Formula)

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

Signed: Brian Randall Plant: _____ Date: _____
BGR:ps
10/1/81

SGP 0016677

January 18, 1980
Supersedes Formula C-933
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment	--	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Minugel FG	Fiber Filler	--	5.626	250
Mica p80-H	Anticracking Agent	11	19.127	850
-/ Limestone	Filler	13	72.457	3220
Hamico 267	Adhesive	23	.900	40
-/ Sorbitol (Powdered)	Borax Stabilizer	--	.315	14
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

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

Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white.

Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/ denotes change

HCF:ps

SGP 0016678

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.075	3.0
Natrosol 250 HXR (Fine Grind)	Hercules Powder Co.	170	0.400	16.0
Zinc Oxide	Mallinkrodt Co.	119	0.100	4.0
Soda Ash	Open Market	32	0.350	14.0
Borax (Powdered)	Riverside Chem. Co.		0.150	6.0
Casein 100 M	International Casein Co.	10	4.000	160.0
Asbestos 7RF9	Phillip Carey	9	5.500	220.0
Mica P80H	Western Mica Co.	11	13.000	520.0
Nalco 71-D5	Nalco Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	76.400	3056.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 71 65 68

ALKALINITY - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Neutral dried compound should match the color of standard sample.

kkt

SGP 0016679

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Natrosol 250 HXR	Water Retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti Cracking Agent	11	13.000	520.0
Nalco 71-D5	Anti Foaming Agent	-	0.025	1.0
Limestone	Filler	13	76.400	3056.0
			100.000	4000.0

-/ WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.35%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Neutral dried compound should match the color of standard sample.

-/ Denotes change in this reissue.

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-133

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting railheads.

<u>Ingredient</u>	<u>Function</u>	<u>P.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Mancozeb 512	Fungicide	126	0.075	3.0
Maxresol 250 FHR	Water Retention	170	0.400	13.0
Waco Glands HX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Form	Alkaline Source	37	0.150	5.0
Carbin 100 M	Adhesive	10	4.000	130.0
Mancozeb TRF-9	Bulk	9	5.500	220.0
Carbin 100 M	Anti Cracking Agent	11	13.000	520.0
Defoamer M111	Anti Foaming Agent	196	0.025	1.0
Mancozeb	Filler	13	73.400	3053.0
			<u>100.000</u>	<u>4800.0</u>

SETTING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

PH - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.6 9.0

Minimum soda ash content - 0.35%

APPEARANCE - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Neutral dried compound should match the color of standard sample.

-- Tentative change in this reissue.

August 13, 1974
Supersedes Formula C-933
Dated 2/25/71

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
-/ Methocel 228	Water retention	170	0.400	16.0
Zinc Oxide XX-2	Viscosity stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.350	14.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80H	Anti-cracking agent	11	13.000	520.0
Defoamer M111	Anti-foaming agent	196	0.025	1.0
Limestone	Filler	13	76.400	3056.0
			100.000	4000.0

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

ALKALINITY - Refer to Plant Testing Procedure No. 34.

<u>pH Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	9.2	8.8	9.0

Minimum soda ash content - 0.35%

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

Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE

Specifications: - There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: Neutral dried compound should match the color of standard sample.

-/ denotes change

WNG:elz

SGP 0016682

March 31, 1975
Formula C-933
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.35	3254
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

WNG:elz

SGP 0016683

March 31, 1975
Formula C-933

NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads. For ~~trial~~ shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Dispersant		.10	1
	Dispersant	170	.50	21
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mic 680-H	Anticracking agent	11	12.00	480
Microstone	Filler	12	81.35	3254
Horio 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

WNG:elz

SGP 0016684

May 7, 1975
Supersedes Formula C-933
Dated 3/31/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

-/ DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HMR	Thickener	170	.30	20
Vanicide	Fungicide	116	.05	2
Gelvaton 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p50-H	Anticracking agent	11	12.00	480
Limestone	Filler	13	81.35	3254
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SC-1,0,
May-7, 1975
Supersedes Formula C-933
Dated 3/31/75
5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

-/ DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11 21.25	12.00	480- 850
Limestone	Filler	13 72.1	81.35	3254 2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60- 67	55-63	58-65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SGP 0016686

September 4, 1975
Supersedes Formula C-933
Dated 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
-/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	13	72.1	2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
-/	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SGP 0016687

September 4, 1975
Supersedes Formula C-933
Dated 5/7/75

7/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
+/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	1371.9	72.1	2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
+/	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

SGP 0016688

December 1, 1975
Supersedes Formula C-933
Dated 9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	13	71.9	2876
Hamico 267	Adhesive	23	1.00	40
-/ Sorbitol (Powdered)	Borax Stabilizer	-	.20	8
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch

-/denotes change

WNG:jg

November 23, 1976
Supersedes Formula C-933
Dated 12/1/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	.990	44
Attagel 40	Fiber Filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	13	74.618	3316
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016690

JAN. 10, 1977
November 23, 1976
Supersedes Formula C-933
Dated 12/1/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ Attagel 40 1000000 FG	Fiber Filler	9-5.626 3-600		-160 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13 72.5 2.74-618		-3316 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016691

January 10, 1977
Supersedes Formula C-933
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM SPEC</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler	-	5.626	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	72.592	3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (Powdered)	Borax Stabilizer	-	.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/denotes change

WNG:gvp

SGP 0016692

January 18, 1980
Supersedes Formula C-933
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment	--	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	.990	44
Minugel FG	Fiber Filler	--	5.626	250
Mica p80-H	Anticracking Agent	11	19.127	850
-/ Limestone	Filler	13	72.457	3220
Hamico 267	Adhesive	23	.900	40
-/ Sorbitol (Powdered)	Borax Stabilizer	--	.315	14
				100.000 4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

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

Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white.

Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

-/ denotes change

HCF:ps

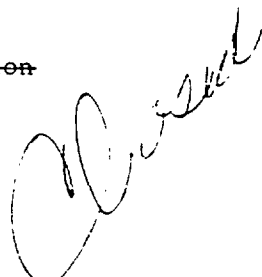
SGP 0016693

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

March 31, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Patraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab



Enclosed please find the following Chicago plant formula:

C-933 TOPPING COMPOUND NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-933 TOPPING COMPOUND NEW

SIGNED W. J. G. PLANT _____ DATE 3-31-75

WNG

SGP 0016694

Rev 224 31, 1975
~~December 5, 1974~~
 New Supersedes Formula C-935 93
~~Dated 11/5/74~~

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935 93

DESCRIPTION OF PRODUCT - Topping compound for finishing joints and spotting nailheads. FOR TRAIL BATCHES ONLY.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato 6000	Adhesive	162	1.00 .85	34 40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00 7.00	250 150
Limestone	Filler	--	81.35 86.65	3466 3250
Gelvato 3000	Adhesive	162	1.00 .85	34 40
FLAMICO 207		23	100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - Yellow or white
Specifications: Dried compound shall not vary in color from preceding batches.

*For white compound, delete yellow oxide from batch.

WNG:jg

-/ denotes change

**CHICAGO FORMULA #931
ASBESTOS CONTAINING PRODUCTS**

SGP 0016633

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-931

DESCRIPTION OF PRODUCT - Buff Topping Compound for topping joints and spotting nailheads. For Detroit Metropolitan Area only.

FOR DIRECT FULL CAR OR TRUCKLOAD SHIPMENTS ONLY.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.075	3.0
Petro - AD	The Thornley Co.	143	0.100	4.0
Yellow Oxide 2087	C. K. Williams Co.	139	0.100	4.0
Kelsize LV 2166	Kelco Co.		0.300	12.0
Zinc Oxide	Mallinkrodt Co.	119	0.350	14.0
Soda Ash	Open Market	32	0.450	18.0
Casein 100 M	Paul A. Dunkel Co.	10	5.200	208.0
Kaysoy 200 C	Archer-Daniels-Midland	122	1.000	40.0
Asbestos 7RF-9	Phillip Carey	9	5.500	220.0
Mica JP80-F	Hassett Mica Co.	11	13.000	520.0
Nalco 71-D5	Nalco Chem. Co.		0.025	1.0
Limestone	Thompson-Weinman	13	73.875	2955.0
Santobrite Fines#1	Monsanto Chem. Co.	15	0.025	1.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 70 62 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.6 8.9

Minimum soda ash content - 0.45%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 37.
Specifications: There shall be at most only a couple very small cracks in the wedge.

COLOR -
Specifications: Dried compound should match the color of Ivory wallboard paper closely and be free of color streaks.

**CHICAGO FORMULA #926
ASBESTOS CONTAINING PRODUCTS**

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

BEDDING COMPOUND C-926

DESCRIPTION OF PRODUCT - Bedding Compound for use with perforated Tape. Not to be used as a topping compound.

FORMULA

<u>Raw Materials</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.075	3.0
Petro - AD	The Thornley Co.	143	0.100	4.0
Natrosol 250 HXR (Fine Grind)	Hercules Powder Co.	170	0.250	10.0
Zinc Oxide	Mallinkrodt Co.	119	0.100	4.0
Soda Ash	Open Market	32	0.400	16.0
Borax (Powdered)	Riverside Chem. Co.		0.150	6.0
Casein-100M	International Casein Co.	10	5.000	200.0
Asbestos 7RF9	Phillip Carey Co.	9	5.500	220.0
Mica P80H	Western Mica Co.	11	17.000	680.0
Nalco 71-D5	Nalco Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	71.400	2856.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 71 65 68

ALKALINITY - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%.

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

CHICAGO, ILLINOIS PLANT FORMULA

BEDDING COMPOUND C-926

DESCRIPTION OF PRODUCT - Bedding Compound for use with perforated tape. Not to be used as a topping compound.

<u>FORMULA</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Bat</u>
<u>Raw Material</u>				
Vancide 51Z	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Natrosol 250 HXR	Water Retention	170	0.350	14.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	5.000	200.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P50 H	Anti Cracking Agent	11	17.000	680.0
Nalco 71-D5	Anti Foaming Agent	-	0.025	1.0
Limestone	Filler	13	<u>71.300</u>	<u>2852.0</u>
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

-/ Denotes change in this reissue

CHICAGO, ILLINOIS PLANT FORMULA

BEDDING COMPOUND C-926

DESCRIPTION OF PRODUCT - Bedding Compound for use with perforated tape. Not to be used as a topping compound.

<u>Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percents</u>	<u>Lbs./Batch</u>
Mandide 51Z	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Retrosol 250 HXR	Water Retention	170	0.350	14.0
Kine Chlor XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Teram	Alkaline Source	37	0.150	6.0
Inseal 100 M	Adhesive	10	5.000	200.0
Neotests 7RF-9	Dulk	9	5.500	220.0
Kids P10 H	Anti Cracking Agent	11	17.100	684.0
Defoamer M11	Anti Foaming Agent	196	0.025	1.0
Limestone	Filler	13	71.800	2872.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 31.
Specifications: Maximum Minimum Average
 67 63 65

FINISH - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.6 9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BEDDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

-/ Denotes change in this reissue

LLO:gek

SGP 0016583

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-926

DESCRIPTION OF PRODUCT - Bedding Compound for use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs./Batch.</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Natrosol 250 HXR	Water Retention	170	0.350	14.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	5.000	200.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti-Cracking Agent	11	17.000	680.0
Defoamer M111	Anti-Foaming Agent	196	0.025	1.0
Limestone	Filler	13	71.300	2852.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery
 working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
 when peeled back.

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

EDO:elz

August 9, 1974
Supersedes: Chicago Formula No. C-926
Dated 1/15/73

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-926

DESCRIPTION OF PRODUCT - Bedding Compound for use with perforated tape. Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Materials</u>	<u>Function</u>	<u>RM Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
-/ Methocel 228	Water Retention	170	0.350	14.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100-M	Adhesive	10	5.000	200.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti-Cracking Agent	11	17.000	680.0
Defoamer M111	Anti-Foaming Agent	196	0.025	1.0
Limestone	Filler	13	71.300	2852.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery
 working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
 when peeled back.

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

WNG:elz

-/ denotes change

SGP 0016585

**CHICAGO FORMULA #923
ASBESTOS CONTAINING PRODUCTS**

SGP 0016519

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED WNG PLANT DATE 5/8/75

WNG

SGP 0016520

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 19, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

[Handwritten signature]

Please find enclosed the following Chicago, Illinois Plant Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED

W A G

PLANT

DATE

1-21-76

WNG

SGP 0016521

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 1, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

SIGNED W. A. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

SGP 0016522

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:

September 2, 1977

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab ~~THIS COPY FOR~~

Chasid

Enclosed please find the following Chicago Illinois, Plant Formula revisions and cancellations:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

SIGNED

U. H. Y

PLANT

DATE

9/2/77

WNG/9/2/77

SGP 0016523

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

TO:

Checked

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED WNG PLANT _____ DATE 12/3/75

WNG

SGP 0016524

N 4 6

April 30, 1975

Formula C-907 923

NEW

CHICAGO, ILLINOIS, PLANT FORMULA

~~TRIPLE DUTY JOINT COMPOUND C-907~~ 923

~~BEDDING~~

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, ~~sealing, spotting nailheads and texturing.~~ ~~For sale shipment only.~~ ~~PERFORMANCE~~ ~~TEST~~ ~~TO BE USED AS A TOPPING COMPOUND~~

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	130
Limestone	Filler	13	81.45	3253
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White ~~or yellow*~~
Dried compound shall not vary in color from preceding batches.

* ~~For yellow compound, add 4 lbs. yellow oxide per batch.~~

WNG:jg

SGP 0016525

~~CLOSED~~
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, <u>C-923</u> , C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jones Plant: L&B Date: 1-22-80

HCF:PS
1/18/80

SGP 0016526

September 11, 1979

N E W

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
Limestone	Filler	13	77.139 204	3428 2
* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax Stabilizer		.180 315	81 4
** Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.

Specifications

Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES

- Refer to Plant Testing Procedure No. 35.

Specifications

After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very
small cracks in the wedge.

COLOR

- White or yellow ***

Specifications

Dried compound shall not vary in color from
preceding batches.

* Staley I13-105 may be substituted at an equal loading.

** For yellow compound, add 4 lbs. yellow oxide per batch.

*** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

HCF:ps

SGP 0016527

~~CLOSED~~
10/19/81

GEORGIA-PACIFIC CORPORATION
Gypsum Division
Tigard, Oregon

October 1, 1981

TO:

~~Mr. Pat Hudgens - Portland~~
~~Mr. J. M. Herndon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

PLEASE CANCEL THE FOLLOWING CHICAGO, ILLINOIS PLANT FORMULAS:

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

----- Please sign and return the attached tear sheet to the Tigard Lab. -----

TO: TIGARD GYPSUM LAB
Tigard, Oregon

(Plant Formula)

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

Signed: Brian Randall Plant: _____ Date: _____
BGR:ps
10/1/81

SGP 0016528

January 18, 1980
Supersedes Formula C-903, C-923,
C-953

Dated: 9/11/79

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
-/ Limestone	Filler	13	77.004	3422
* Hamico 267	Adhesive	23	.450	20
-/ Sorbitol (powdered)	Borax Stabilizer		.315	14
** Celite 266	Body Builder		3.375	150
			100.000	4444

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

Specifications

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very
small cracks in the wedge.

COLOR

Specifications

- White or yellow ***
Dried compound shall not vary in color from
preceding batches.

* Staley I13-105 may be substituted at an equal loading.

** For yellow compound, add 4 lbs. yellow oxide per batch.

*** Celatcm MW 27 may be substituted at an equal loading.

-/ denotes change

HCF:ps

SGP 0016529

May 7, 1975
Formula C-923
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>PM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler	13	81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be an maximum only a couple of very small cracks in one batch.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0016530

OCT. 13, 1975
 May 7, 1975
 Formula C-923
 NEW DATED 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11 21.25	12.00	480 850
Limestone	Filler	13 72.1	81.45	3258 2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60 67	55 63	58 65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
 Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
 After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White
 Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0016531

October 13, 1975
Supersedes Formula C-923
Dated 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvato1 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	850
Limestone	Filler	13	72.1	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White
Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0016532

October ~~13,~~ 1975
Supersedes Formula C-923
Dated 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	850
Limestone	Filler	13	72.1	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White
Dried compound shall not vary in color from preceding batches.

WNG:jg

SGP 0016533

December 2, 1975
Supersedes Formula C-923
Dated 10/13/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape. Not to be used as a topping compound.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber filler	9	4.00	160
Mica p30-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler	13	72.0	2880
Hamico 267	Adhesive	23	1.00	40
-/ Sorbitol (powdered)	Borax stabilizer		.20	8
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White
Dried compound shall not vary in color from preceding batches.

WNG:jg

-/ denotes change

SGP 0016534

November 23, 1976
 Supersedes Formula C-923
 Dated: 12/2/75
 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
 Not to be used as a topping compound.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Attagel 40	Fiber filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	1374.613	74.708	3320 3316
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4000- 4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG/gvp

-/ denotes change

November 23, 1976
Supersedes Formula C-923
Dated: 12/2/75

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
Attagel 40	Fiber filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	13	74.708	3320
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG/gvp

-/ denotes change

SGP 0016536

December 1, 1976
Supersedes Formula C-923
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
Attagel 40	Fiber filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	74.618	3316
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG/jg

-/ denotes change

SGP 0016537

JAW 101 1977
December 1, 1976
Supersedes Formula C-923
Dated: 11/23/76

17 / 1 / 76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
2 Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ Attagel-40 WINGEL FG	Fiber filler	6 9 0.626	3.600	160 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13 72.5 274	618-	3316 2226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

WNG/ *JP*

-/ denotes change

SGP 0016538

January 10, 1977
Supersedes Formula C-923
Dated: 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber filler	6	5.626	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	72.592	3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

-/ denotes change

WNG/gvp

SGP 0016539

Supersedes Formula C-923
Dated: 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	126	.090	2
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/-Minugel FG	Fiber filler	6	5.626	250
Mica p80-H	Anticracking agent	11	1.127	850
-/-Limestone	Filler	137	72.592	3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			<u>100.000</u>	<u>4444</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

-/- denotes change

WNG/gvp

SGP 0016540

September 1, 1977
Supersedes Formula C-923
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-923

DESCRIPTION OF PRODUCT - Bedding compound for taping, use with perforated tape.
Not to be used as a topping compound.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from preceding batches.

*Staley I13-105 may be substituted at equal loading.

** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/ jr

SGP 0016541

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 14, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois Plant Formula revision:

C-923

BEDDING COMPOUND

REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-923

BEDDING COMPOUND

REVISED

SIGNED

W. H. Geller

PLANT

DATE

10/14/75

WNG

SGP 0016542

**CHICAGO FORMULA #922
ASBESTOS CONTAINING PRODUCTS**

SGP 0016499

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Chad

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED WNG PLANT _____ DATE 5/8/75

WNG

SGP 0016500

October 9, 1974
Formula C-922
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-922

DESCRIPTION OF PRODUCT - Bedding compound for use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Gendriv 492S	Thickener	223	.40	20.00
Vanicide 51Z	Fungicide	126	.05	2.50
Gelvaton 6000	Adhesive	162	.85	42.50
Attagel 40	Fiber Filler	9	4.00	200.00
Mica p80-H	Anticracking agent	11	7.00	350.00
Nalco	Antifoaming agent	--	.05	2.50
Limestone	Filler	--	86.80	4340.00
Gelvaton 3000	Adhesive	162	.85	42.50
			100.00	5000.00

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White or yellow
Specifications: Dried compound shall not vary in color from
preceding batches.

WNG:jg

SGP 0016501

November 5, 1974
Supersedes Formula C-922
Dated 10/9/74

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-922

DESCRIPTION OF PRODUCT - Bedding compound for use with perforated tape.
Not to be used as a topping compound.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Gendriv 492S	Thickener	223	.60	24
Vanicide 51Z	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.65	3466
Gelvatol 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4010</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from
preceding batches.

WNG:jg

-/ denotes change

December 5, 1974
Supersedes Formula C-922
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-922

DESCRIPTION OF PRODUCT - Bedding compound for use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide 51Z	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.75	3470
Gelvaton 3000	Adhesive	162	.85	34
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from
preceding batches.

WNG:jg

-/ denotes change

December 5, 1974
Supersedes Formula C-922
Dated 11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
BEDDING COMPOUND C-922

DESCRIPTION OF PRODUCT - Bedding compound for use with perforated tape.
Not to be used as a topping compound.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide 51Z	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	.85	34
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	7.00	280
Limestone	Filler	--	86.75	3470
Gelvaton 3000	Adhesive	162	.85	34
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33
Specifications: Wet mix shall be plastic and buttery working
and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White
Specifications: Dried compound shall not vary in color from
preceding batches.

WNG:jg

-/ denotes change

SGP 0016504

**CHICAGO FORMULA #905
ASBESTOS CONTAINING PRODUCTS**

SGP 0016382

August 31, 1971
NEW FORMULA C-905

CHICAGO, ILLINOIS PLANT FORMULA

ALL PURPOSE JOINT COMPOUND -- C-905

DESCRIPTION OF PRODUCT - Buff joint compound for taping and finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Petro-AD	Wetting Agent	143	0.10	4.0
Natrosol 250 HXR (Fine grind)	Water Retention	170	0.30	12.0
Zinc Oxide	Viscosity Stabilizer	119	.10	4.0
Soda Ash	Alkaline Source	32	.40	16.0
Borax (Powdered)	Alkaline Source		.15	6.0
Yellow Oxide 2087	Pigmentation	139	.10	4.0
Casein 100M	Adhesive	10	4.50	180.0
Asbestos 7RF9	Bulking Agent	9	4.50	220.0
Mica P80H	Anti-Cracking Agent	11	16.00	640.0
Defoamer M111	Anti-Foaming Agent	196	0.025	1.0
Limestone	Filler	13	<u>72.75</u>	<u>2910.0</u>
			100.000	4000.0

WORKING CONSISTENCY
Specifications

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
72	66	69

ALKALINITY
pH Specifications

- Refer to Plant Testing Procedure No. 34.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
9.2	8.8	9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE
Specifications

- There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications

- Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

EDO:dek

SGP 0016383

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-905

DESCRIPTION OF PRODUCT - Buff Joint Compound for taping and finishing joints and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 512	R. T. Vanderbilt Co.	126	0.075	3.0
Petro - AD	The Thornley Co.	143	0.100	4.0
Natrosol 250 HXR				
(Fine Grind) "	Hercules Powder Co.	170	0.300	12.0
Zinc Oxide	Mallinkrodt Co.	119	0.100	4.0
Soda Ash	Open Market	32	0.400	16.0
Borax (Powdered)	Riverside Chem. Co.		0.150	6.0
Yellow Oxide 2087	C. K. Williams Co.	139	0.100	4.0
Casein 100 M	International Casein Co.	10	4.500	180.0
Asbestos 7RF9	Phillip Carey	9	5.500	220.0
Mica P80H	Western Mica Co.	11	16.000	640.0
Nalco 71-D5	Nalco Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	72.750	2910.0
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 72 66 69

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%.

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

kkt

SGP 0016384

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-905

DESCRIPTION OF PRODUCT - Buff Joint Compound for taping and finishing joints and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide.	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Natrosol 250 HXR	Water Retention	170	0.300	12.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Yellow Oxide 2087	Pigment	139	0.100	4.0
Casein 100 M	Adhesive	10	4.500	180.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti Cracking Agent	11.	16.000	640.0
Nalco 71-D5	Anti Foaming Agent	-	0.025	1.0
Limestone	Filler	13	72.750	2910.0
			100.000	4000.0

-/ WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

-/ ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 9.2 8.8 9.0
 Minimum Soda Ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE -
Specifications: There shall be at most only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should match the color of ivory wallboard paper closely and be free of color streaks.

-/ Denotes change in this reissue.

**CHICAGO FORMULA #904
ASBESTOS CONTAINING PRODUCTS**

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED WNG PLANT DATE 5/8/75

WNG

SGP 0016331

Supersedes Formula ~~C-903~~ C-904
Dated: 12/1/76 NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903 C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing. *FOR MINNEAPOLIS ONLY.*

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD-	Dispersant-	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C 126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Minugel EG X 1427	Fiber Filler	-	5.626 3.6	250
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler		72.592 74.65	3226 320
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

SGP 0016332

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

November 29, 1977

TO:

Mr. M. A. Palmowski - Chicago
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. G. W. Lehnert - Tigard~~
Tigard Lab
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~

Enclosed please find the following Chicago, Illinois, Plant Formula:

C-904 TRIPLE DUTY JOINT COMPOUND NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-904 TRIPLE DUTY JOINT COMPOUND NEW

SIGNED Hubert Jones PLANT _____ DATE 11-30-77

HCF
11/29/77

SGP 0016333

~~CLOSED~~
10/19/81

GEORGIA-PACIFIC CORPORATION
Gypsum Division
Tigard, Oregon

October 1, 1981

TO:

~~Mr. Pat Hudgens - Portland~~
~~Mr. J. M. Herndon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

PLEASE CANCEL THE FOLLOWING CHICAGO, ILLINOIS PLANT FORMULAS:

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

----- Please sign and return the attached tear sheet to the Tigard Lab. -----

TO: TIGARD GYPSUM LAB
Tigard, Oregon

(Plant Formula)

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

Signed: Bruce R. Rauls Plant: _____ Date: _____

BGR:ps
10/1/81

SGP 0016334

January 18, 1980
Supersedes Formula C-904
Dated: 11/28/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

	<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Natrosol 250 HXR	Thickener	170	.450	20
	Vanicide	Fungicide	126	.045	2
	Gelvato1 6000	Adhesive	162	.990	44
	Engelhart X-1927	Fiber Filler	--	3.600	160
	Mica p80-H	Anticracking Agent	11	19.127	850
-/	Limestone	Filler		74.573	3314
	Hamico	Adhesive	23	.900	40
-/	Sorbitol (powdered)	Borax stabilizer		.315	14
				<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow *
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:ps

SGP 0016335

~~CLOSED~~
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904 /	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

----- Please sign and return the attached tear sheet. -----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jones Plant: LAB Date: 1-22-80

HCF:PS
1/18/80

SGP 0016336

Formula C-904

NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C126	.045	2
Gelvato1 6000	Adhesive	162	.990	44
-/Engelhart X-1927-	Fiber Filler	-	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
-/Limestone	Filler		74.618573	3320 3314
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		<u>.180-315</u>	<u>814</u>
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:jr

SGP 0016337

November 28, 1977
Formula C-904
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing. For Minneapolis only.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/Engelhart X-1927	Fiber Filler	-	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
-/Limestone	Filler		74.	33
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:jr

SGP 0016338

January 18, 1980
Supersedes Formula C-904
Dated: 11/28/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

	<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Natrosol 250 HXR	Thickener	170	.450	20
	Vanicide	Fungicide	126	.045	2
	Gelvatol 6000	Adhesive	162	.990	44
	Engelhart X-1927	Fiber Filler	--	3.600	160
	Mica p80-H	Anticracking Agent	11	19.127	850
-/	Limestone	Filler		74.573	3314
	Hamico	Adhesive	23	.900	40
-/	Sorbitol (powdered)	Borax stabilizer		.315	14
				<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow *
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:ps

SGP 0016339

January 18, 1980
Supersedes Formula C-904
Dated: 11/28/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Engelhart X-1927	Fiber Filler	--	3.600	160
Mica p80-H	Anticracking Agent	11	19.127	850
-/ Limestone	Filler		74.573	3314
Hamico	Adhesive	23	.900	40
-/ Sorbitol (powdered)	Borax stabilizer		.315	14
			100.000	4444

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow *
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:ps

January 18, 1980
Supersedes Formula C-904
Dated: 11/28/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

	<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Natrosol 250 HXR	Thickener	170	.450	20
	Vanicide	Fungicide	126	.045	2
	Gelvitol 6000	Adhesive	162	.990	44
	Engelhart X-1927	Fiber Filler	--	3.600	160
	Mica p80-H	Anticracking Agent	11	19.127	850
-/	Limestone	Filler		74.573	3314
	Hamico	Adhesive	23	.900	40
-/	Sorbitol (powdered)	Borax stabilizer		.315	14
				<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow *
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:ps

SGP 0016341

January 18, 1980
Supersedes Formula C-904
Dated: 11/28/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For Minneapolis only.

FORMULA

	<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
	Natrosol 250 HXR	Thickener	170	.450	20
	Vanicide	Fungicide	126	.045	2
	Gelvaton 6000	Adhesive	162	.990	44
	Engelhart X-1927	Fiber Filler	--	3.600	160
	Mica p80-H	Anticracking Agent	11	19.127	850
-/	Limestone	Filler		74.573	3314
	Hamico	Adhesive	23	.900	40
-/	Sorbitol (powdered)	Borax stabilizer		.315	14
				<u>100.000</u>	<u>4444</u>

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow *
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:ps

SGP 0016342

CHICAGO FORMULA # 904
ASBESTOS CONTAINING PRODUCTS

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

JOINT SYSTEM COMPOUND C-904
(Long Island Special)

DESCRIPTION OF PRODUCT - Special Long Island Joint System Compound for use with perforated tape. This is a multipurpose compound to be used for bedding and covering tape and spotting nailheads.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.10	4.0
Yellow Oxide 2087	C. W. Williams Co.	139	0.10	4.0
Natrasol 250HR	Hercules Powder Co.	170	0.20	8.0
Petro-AD	The Thornley Co.	143	0.20	8.0
Zinc Oxide	Mallinkrodt Chem. Co.	119	0.10	4.0
Ammonium Oxalate	General Chem. Div. Allied Chemical Co.		0.60	24.0
Hi-Calcium Lime	Open Market	32	0.20	8.0
Kaysoy 200C	Archer-Daniels-Midland	122	2.00	80.0
Casein 100M	Paul A. Dunkel Co.	10	5.50	220.0
Asbestos 7RF-9	Phillip Carey	9	6.00	240.0
Mica JP80F	Hassett Mica Co.	11	17.00	680.0
Limestone	Thompson-Weinman	13	68.00	2720.0
			100.00	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 70 64 69

ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum Minimum Average
 8.7 8.5 8.5

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

BOND PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

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

December 5, 1974
Formula C-904
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads, and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvato1 6000	Adhesive	162	.85	34.0
Attagel 40	Fiber Filler	9	4.00	160.0
Mica p80-H	Anticracking agent	11	7.00	280.0
Limestone	Filler	--	86.75	3470.0
Gelvato1 3000	Adhesive	162	.85	34.0
			<u>100.00</u>	<u>4000.0</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow
Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. of yellow oxide per batch.

WNG:jg

SGP 0016345

CANCEL

December 5, 1974
Formula C-904
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads, and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvaton 6000	Adhesive	162	.85	34.0
Attagel 40	Fiber Filler	9	4.00	160.0
Mica p80-H	Anticracking agent	11	7.00	280.0
Limestone	Filler	--	86.75	3470.0
Gelvaton 3000	Adhesive	162	.85	34.0
			<u>100.00</u>	<u>4000.0</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow
Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. of yellow oxide per batch.

WNG:jg

SGP 0016346

November 20, 1977
Formula C-904
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-904

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing. For Minneapolis only.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C 126	.045	2
Gelvato1 6000	Adhesive	162	.990	44
-/Engelhart X-1927	Fiber Filler	-	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
-/Limestone	Filler		74.618	3320
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

HCF:jr

SGP 0016347

**CHICAGO FORMULA #903
ASBESTOS CONTAINING PRODUCTS**

SGP 0016261

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

May 7, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY

Clair

Enclosed please find the following Chicago, Illinois, plant formulas:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW

Please cancel the following Chicago, Illinois, plant formulas by removing them from your formula books:

C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	NEW
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	NEW
C-904	TRIPLE DUTY JOINT COMPOUND	CANCELLED
C-922	BEDDING COMPOUND	CANCELLED
C-935	TOPPING COMPOUND	CANCELLED
C-950	ALL PURPOSE JOINT COMPOUND	CANCELLED

SIGNED WNG PLANT _____ DATE 5/8/75

WNG

SGP 0016262

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

January 19, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Please find enclosed the following Chicago, Illinois Plant Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-974	READY MIX TOPPING COMPOUND (HAND TOOLS)	REVISED
C-976	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED
C-978	READY MIX FILLER	REVISED
C-979	READY MIX JOINT COMPOUND (HAND TOOLS)	REVISED

SIGNED

W N G

PLANT

DATE

1-21-76

WNG

SGP 0016263

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 1, 1976

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-970	READY MIX FILLER	REVISED
C-973	READY MIX FILLER	REVISED
C-978	READY MIX FILLER	REVISED

SIGNED W. A. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

SGP 0016264

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:

September 2, 1977

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab ~~THIS COPY FOR~~

Corkill

Enclosed please find the following Chicago Illinois, Plant Formula revisions and cancellations:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED
C-934	TOPPING COMPOUND	CANCEL
C-952	ALL PURPOSE COMPOUND	CANCEL
C-978	READY MIX FILLER	REVISED

SIGNED *U. H. Y* PLANT _____ DATE *9/2/77*

WNG/9/2/77

SGP 0016265

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 5, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, plant
formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED W. A. J. PLANT _____ DATE 9/8/75

WNG

SGP 0016266

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Closed

Enclosed please find the following Chicago, Illinois, Plant
Formula revisions:

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903	TRIPLE DUTY JOINT COMPOUND	REVISED
C-923	BEDDING COMPOUND	REVISED
C-933	TOPPING COMPOUND	REVISED
C-953	ALL PURPOSE JOINT COMPOUND	REVISED

SIGNED 11.16 PLANT DATE 12/3/75
WNG

SGP 0016267

APRIL 30,
~~March 31,~~ 1975
Formula C-933
NEW 903

CHICAGO, ILLINOIS, PLANT FORMULA
~~TRIPKE DATA~~ TOPPING COMPOUND C-933 903

DESCRIPTION OF PRODUCT - ~~Multi-purpose Topping~~,
Topping compound for finishing, joints and spotting
nailheads. For trial shipment only.

FORMULA

ADD TEXTURE.

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and
free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR

Specifications: Dried compound shall not vary in color from preceding
batches.

* ~~For white compound,~~ ^{YELLOW} ~~delete yellow oxide~~ ^{ADD 4 LBS. per} batch

WNG:elz

SGP 0016268

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

April 30, 1975

TO:

Alonso

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. G. F. Fowler - Marietta~~
~~Mr. E. L. Aasen - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. J. Van - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. J. B. Moss - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
Tigard Lab ← THIS COPY FOR

Enclosed please find the following Chicago, Illinois, Plant
Formula:

C-903 TRIPLE DUTY JOINT COMPOUND

NEW

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903 TRIPLE DUTY JOINT COMPOUND

NEW

SIGNED W. H. - / PLANT _____ DATE 5/2/75

WNG

SGP 0016269

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

October 5, 1977

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. J. Van - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. A. J. Petraline - Wilmington~~
~~Mr. C. W. Lehnert - Tigard~~
~~Mr. D. C. Corkill - Portland~~
~~Mr. G. F. Fowler - Marietta~~
Tigard Lab

Enclosed please find the following Chicago, Illinois, Plant Formula date correction:

C-903

TRIPLE DUTY JOINT COMPOUND

DATE CORRECTION

Please sign and return the attached tear sheet.

TO: TIGARD GYPSUM LAB

C-903

TRIPLE DUTY JOINT COMPOUND

DATE CORRECTION

NAME

W. T. Y.

PLANT

DATE

10/13/77

WNG

10/5/77

SGP 0016270

Supersedes Formula C-903

Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA

~~TRIPLE DUTY~~ JOINT COMPOUND C-903-C-923-C-953.

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow***
Dried compound shall not vary in color from preceding batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0016271

September 1, 1977

Supersedes Formula C-903

Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small
cracks in the wedge.

COLOR

Specifications: - White or yellow***
Dried compound shall not vary in color from preceding
batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0016272

CLOSED

10-10-79

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

September 11, 1979

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. G. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953

VINYL JOINT COMPOUND

NEW

----- Please sign and return the attached tear sheet. -----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953

VINYL JOINT COMPOUND

NEW

Signed: Hubert C. Jones Plant: LAB Date: 9-11-79

HCF:ps
9/11/79

SGP 0016273

CHICAGO, ILLINOIS PLANT FORMULA

-/ TRIPLE DUTY COMPOUND C-903

DESCRIPTION OF PRODUCT - Vinyl Multi-Purpose Compound for use with perforated tape. It is used for taping, finishing, spotting nail-heads and texturing.

-/ <u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.05	2.0
Natrosol 250 HXR	Water Retention	170	0.65	26.0
Gelvatol 20-30 BP. (Poly Vinyl Alcohol)	Adhesive	162	1.00	40.0
Gelva D-702 (Poly Vinyl Acetate)	Adhesive	161	3.50	140.0
Asbestos 7RF-9	Bulk	9	4.50	180.0
Mica P80 H	Anti Cracking Agent	11	10.00	400.0
Nalco 71-D5	Anti Foaming Agent	-	0.05	2.0
Limestone	Filler	13	80.25	3210.0
			100.00	4000.0

-/ WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 54 50 52

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

COLOR - Dried compound should match color of standard sample.

-/ Denotes change in this reissue.

CHICAGO, ILLINOIS PLANT FORMULA

TRIPLE DUTY COMPOUND C-903

DESCRIPTION OF PRODUCT - Vinyl Multi-Purpose Compound for use with perforated tape. It is used for taping, finishing, spotting nail-heads and texturing.

<u>Formula</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vandice 51Z	Fungicide	126	0.05	2.0
Natrosol 150 WNR	Water Retention	170	0.65	26.0
Gelvitol 10-30 BP (Poly Vinyl Alcohol)	Adhesive	132	1.00	40.0
Gelva D-702 (Poly Vinyl Acetate)	Adhesive	161	3.50	140.0
Asbestos 7RF-9	Bulk	9	4.50	130.0
Nice 201 W	Anti Cracking Agent	11	10.00	400.0
Defoamer M11	Anti Foaming Agent	198	0.05	2.0
Limestone	Filler	13	<u>80.25</u>	<u>3210.0</u>
			100.00	4000.0

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
54	50	52

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

FINING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

NOTE - Dried compound should match color of standard sample.

- Denotes change in this reissue.

August 13, 1974
Supersedes C-903
Dated 2/25/71

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY COMPOUND C-903

DESCRIPTION OF PRODUCT. -Vinyl Multi-purpose Compound for use with perforated tape. It is used for taping, finishing, spotting nail-heads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>PM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Vancide 51Z	Fungicide	126	0.05	2.0
Methocel 228	Water retention	163	0.65	26.0
Gelvatol 20-30 BP				
(Polyvinyl Alcohol)	Adhesive	162	1.00	40.0
Gelva D-702				
(Polyvinyl Acetate)	Adhesive	161	3.50	140.0
Asbestos 7RF-9)	Bulk	9	4.50	180.0
Mica P80H	Anti-cracking agent	11	10.00	400.0
Defoamer M111	Anti-foaming agent	196	0.05	2.0
Limestone	Filler	13	80.25	3210.0
			100.00	4000.0

WORKING CONSISTENCY
Specifications:

- Refer to Plant Testing Procedure No. 32.

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
54	50	52

WORKING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

BONDING PROPERTIES
Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE
Specifications:

- Refer to Plant Testing Procedure No. 37.
There shall be no large fissure cracks in the wedge and very few, if any, cracks in the thinner half of the wedge.

COLOR

- Dried compound should match color of standard sample.

-/ denotes change

WNG:elz

SGP 0016276

April 30, 1975
Formula C-903
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60	55	58

WORKING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications:

- Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications:

- White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNG:jg

SGP 0016277

REF 6

April 30, 1975

Formula C-903

NEW COMPASS INC. C-903

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing. For trial shipment only.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvaton 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica 100-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hanico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60	55	58

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

WNC:jg

SGP 0016278

May 7, 1975
Supersedes Formula C-903
Dated 4/30/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

-/ DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u> <u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	12.00	480
Limestone	Filler		81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
60	55	58

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

SEP 14 1975
 May 7, 1975
 Supersedes Formula C-903
 Dated 4/30/75
 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

-/ DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	480 860
Limestone	Filler	72.1	81.45	3258 2854
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	60 67	55 63	58 65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

September 4, 1975
Supersedes Formula C-903
Dated 5/7/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
-/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler		72.20	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

September 4, 1975
Supersedes Formula C-903
Dated 5/7/75
9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
-/ Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler		72.20	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES
Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR
Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

December 2, 1975
Supersedes Formula C-903
Dated 9/4/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvitol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica p80-H	Anticracking agent	11	21.25	850
-/ Limestone	Filler		72.00	2880
Hamico 267	Adhesive	23	1.00	40
-/ Sorbitol (powdered)	Borax stabalizer		.20	8
			<u>100.00</u>	<u>4000</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding batches.

* For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG:jg

November 23, 1976
 Supersedes Formula C-903
 Dated: 12/2/75
 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Attagel 40	Fiber Filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler	74.618	74.708	3320- 3326
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
 Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
 After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow*
 Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

November 23, 1976
Supersedes Formula C-903
Dated: 12/2/75

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

-/ FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
Attagel 40	Fiber Filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
Limestone	Filler		74.708	3320
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small
cracks in the wedge.

COLOR

Specifications: - White or yellow*
Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

SGP 0016285

December 1, 1976
Supersedes Formula C-903
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
-/ Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
Attagel 40	Fiber Filler	9	3.600	160
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler		74.618	3316
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/jg

SGP 0016286

JAN. 10, 1977
December 1, 1976
Supersedes Formula C-903
Dated: 11/23/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
33 Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
- / Attagel 40 Alkylcellulose FG	Fiber Filler	39	5.626 3.600	160 2.50
Mica p80-H	Anticracking agent	11	19.127	850
- / Limestone	Filler	72	6.727 4.618	3216 3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

- / denotes change

WNG/ ~~js~~
9P

SGP 0016287

January 10, 1977
Supersedes Formula C-903
Dated: 12/1/76

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	.990	44
-/ Minugel FG	Fiber Filler	-	5.626	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler		72.592	3226
Hamico 267	Adhesive	23	.900	40
Sorbitol (powdered)	Borax stabilizer		.180	8
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow*
Specifications: Dried compound shall not vary in color from preceding
batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

SGP 0016288

January 10, 1977
Supersedes Formula C-903
Dated: 12/1/76

1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing, spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Petro AD	Dispersant	-126—	.090	-4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162 1.485	.990	44.66
-/ Minugel FG (C-903) ^{4/927}	Fiber Filler	- 3.375	5.626	250-150
Mica p80-H	Anticracking agent	1113.501	19.127	850-600
-/ Limestone	Filler	13 77.139	72.592	3226-2128
Hamico 267	Adhesive	23 .450	.900	40.20
Sorbitol (powdered)	Borax stabilizer		.180	8
			<u>100.000</u>	<u>4444</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 33.
Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES

Specifications: - Refer to Plant Testing Procedure No. 35.
After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very small cracks in the wedge.

COLOR

Specifications: - White or yellow*
Dried compound shall not vary in color from preceding batches.

*For yellow compound, add 4 lbs. yellow oxide per batch.

-/ denotes change

WNG/gvp

SGP 0016289

September 1, 1977

Supersedes Formula C-903

Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow***
Specifications: Dried compound shall not vary in color from preceding
batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0016290

Supersedes Formula C-903

Dated:

CHICAGO, ILLINOIS, PLANT FORMULA
TRIPLE DUTY JOINT COMPOUND C-903

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping, finishing,
spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
-/ Gelvatol 6000	Adhesive	162	1.485	66
-/ Englehart X-1927	Fiber Filler		3.375	150
-/ Mica p80-H	Anticracking agent	11	13.501	600
-/ Limestone	Filler	13	77.139	3428
-/* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax stabilizer		.180	8
-/** Celite 266	Body Builder		3.375	150
			<u>100.000</u>	<u>4444</u>

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

<u>Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free
of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate
when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very small
cracks in the wedge.

COLOR - White or yellow***
Specifications: Dried compound shall not vary in color from preceding
batches.

*Staley I13-105 may be substituted at an equal loading.

***For yellow compound, add 4 lbs. yellow oxide per batch.

**Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

WNG/jr

SGP 0016291

~~CLOSED~~
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

----- Please sign and return the attached tear sheet. -----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jensen Plant: LAB Date: 1-22-80

HCF:PS
1/18/80

SGP 0016292

September 11, 1979

N F W

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
Limestone	Filler	13	77.139- 24	3428 2
* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax Stabilizer		.180- 35	81 4
** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

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

Specifications Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White or yellow ***

Specifications Dried compound shall not vary in color from
preceding batches.

* Staley I13-105 may be substituted at an equal loading.

** For yellow compound, add 4 lbs. yellow oxide per batch.

*** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

HCF:ps

SGP 0016293

CLOSED
2-18-80

GEORGIA-PACIFIC CORPORATION

GYPSUM DIVISION
TIGARD, OREGON

January 18, 1980

TO:

~~Mr. M. A. Palmowski - Chicago~~
~~Mr. E. L. Aasen - Portland~~
~~Mr. D. C. Corkill - Portland~~
~~Ms. R. L. Dixon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

Tigard Lab

Enclosed please find the following CHICAGO, ILLINOIS
Plant Formulas:

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

----- Please sign and return the attached tear sheet. -----

TO: TIGARD GYPSUM LAB

C-903, C-923, C-953	VINYL JOINT COMPOUNDS	Revised
C-904	TRIPLE DUTY JOINT COMPOUND	Revised
C-933	TOPPING COMPOUND	Revised
C-934	TOPPING COMPOUND	Revised

Signed: Robert C. Jones Plant: L&B Date: 1-22-80

HCF:PS
1/18/80

SGP 0016294

September 11, 1979

N E W

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvaton 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
Limestone	Filler	13	77.139 204	342 82
* Hamico 267	Adhesive	23	.450	20
Sorbitol (powdered)	Borax Stabilizer		1.00 .35	8 14
** Celite 266	Body Builder		3.375	150
			100.000	4444

WORKING CONSISTENCY

- Refer to Plant Testing Procedure No. 32.

Specifications

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
67	63	65

WORKING PROPERTIES

- Refer to Plant Testing Procedure No. 33.

Specifications

Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES

- Refer to Plant Testing Procedure No. 35.

Specifications

After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE

- There shall be at most only a couple of very
small cracks in the wedge.

COLOR

- White or yellow ***

Specifications

Dried compound shall not vary in color from
preceding batches.

* Staley 113-105 may be substituted at an equal loading.

** For yellow compound, add 4 lbs. yellow oxide per batch.

*** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

HCF:ps

SGP 0016295

~~CLOSED~~
10/19/81

GEORGIA-PACIFIC CORPORATION
Gypsum Division
Tigard, Oregon

October 1, 1981

TO:

~~Mr. Pat Hudgens - Portland~~
~~Mr. J. M. Herndon - Portland~~
~~Mr. C. W. Lehnert - Tigard~~

PLEASE CANCEL THE FOLLOWING CHICAGO, ILLINOIS PLANT FORMULAS:

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

----- Please sign and return the attached tear sheet to the Tigard Lab. -----

TO: TIGARD GYPSUM LAB
Tigard, Oregon

(Plant Formula)

C-903, C-923, C-953 Vinyl Joint Compounds
C-904 Triple Duty Joint Compound
C-933 Topping Compound
C-934 Topping Compound
C-970 Ready Mix Topping Compound (Hand Tools)
C-971 Ready Mix Filler
C-972 Ready Mix Joint Compound

Signed: B. W. Lehnert

Plant: _____

Date: _____

BGR:ps
10/1/81

SGP 0016296

January 18, 1980
Supersedes Formula C-903, C-923,
C-953

Dated: 9/11/79

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
-/ Limestone	Filler	13	77.004	3422
* Hamico 267	Adhesive	23	.450	20
-/ Sorbitol (powdered)	Borax Stabilizer		.315	14
** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

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

Specifications Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.

Specifications After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White or yellow ***

Specifications Dried compound shall not vary in color from
preceding batches.

* Staley Il3-105 may be substituted at an equal loading.

** For yellow compound, add 4 lbs. yellow oxide per batch.

*** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

January 18, 1980
Supersedes Formula C-903, C-923,
C-953

Dated: 9/11/79

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL JOINT COMPOUNDS C-903, C-923, C-953

DESCRIPTION OF PRODUCT - Multi-purpose compound for taping,
finishing, spotting nailheads and
texturing.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>RM Spec</u>	<u>Percent</u>	<u>Lbs/Batch</u>
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvitol 6000	Adhesive	162	1.485	66
Englehart X-1927	Fiber Filler		3.375	150
Mica p80-H	Anticracking Agent	11	13.501	600
-/ Limestone	Filler	13	77.004	3422
* Hamico 267	Adhesive	23	.450	20
-/ Sorbitol (powdered)	Borax Stabilizer		.315	14
** Celite 266	Body Builder		3.375	150
			100.000	4444

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

<u>Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	67	63	65

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications Wet mix shall be plastic and buttery
working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications After compound has dried, tape shall delam-
inate when peeled back.

CRACK RESISTANCE - There shall be at most only a couple of very
small cracks in the wedge.

COLOR - White or yellow ***
Specifications Dried compound shall not vary in color from
preceding batches.

- * Staley I13-105 may be substituted at an equal loading.
- ** For yellow compound, add 4 lbs. yellow oxide per batch.
- *** Celatom MW 27 may be substituted at an equal loading.

-/ denotes change

December 8, 1967
NEW FORMULA

CHICAGO, ILLINOIS PLANT FORMULA

VINYL JOINT SYSTEM COMPOUND C-903

DESCRIPTION OF PRODUCT - Vinyl Multi-Purpose Compound for use with perforated tape. It is used for taping, finishing, spotting nailheads and texturing.

FORMULA

<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt Co.	126	0.05	2.0
Natrosol 250 HXR	Hercules Powder Co.	170	0.65	26.0
Gelvatol 20-30BP	Shawinigan Resins Corp.	162	1.00	40.0
Gelva GP-702	Shawinigan Resins Corp.	161	3.50	140.0
Asbestos	Phillip Carey	9	4.50	180.0
Mica	Western Mica Co.	11	10.00	400.0
Nalco	Nalco Chem. Co.	-	0.05	2.0
Limestone	Thompson-Wienman	13	80.25	3210.0
			100.00	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 60 56 58

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

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

COLOR - Dried compound should match color of standard sample.

kkt

SGP 0016299

**CHICAGO FORMULA #902
ASBESTOS CONTAINING PRODUCTS**

SGP 0016210

December 8, 1967
New Formula

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-902

*DESCRIPTION OF PRODUCT - White Joint Compound for taping and finishing joints and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Source</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	R. T. Vanderbilt	126	0.075	3.0
Petro - AD	The Thornley Co.	143	0.100	4.0
Natrosol 250 HXR				
(Fine Grind)	Hercules Powder	170	0.300	12.0
Zinc Oxide	Mallinkrodt Co.	119	0.100	4.0
Soda Ash	Open Market	32	0.400	16.0
Borax (Powdered)	Riverside Chem. Co.		0.150	6.0
Casein 100 M	International Casein Co.	10	4.500	180.0
Asbestos 7RF9	Phillip Carey	9	5.500	220.0
Mica P80H	Western Mica Co.	11	16.000	640.0
Nalco 71-D5	Nalco Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	<u>72.850</u>	<u>2914.0</u>
			100.000	4000.0

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

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
72	66	69

ALKALINITY - Refer to Plant Testing Procedure No. 34.
Specifications:

<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
9.2	8.8	9.0

Minimum soda ash content - 0.40%.

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, Tape shall delaminate when peeled back.

CRACK RESISTANCE -
Specifications: There shall be, at most, only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should be a neutral color and match the standard sample.

*NOTE: Stamp front of bag - "WHITE"

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-902

*DESCRIPTION OF PRODUCT - White Joint Compound for taping and finishing joints and spotting nailheads.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vancide 51Z	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Natrosol 250 HXR	Water Retention	170	0.300	12.0
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.500	180.0
Asbestos 7RF-9	Bulk	9	5.500	220.0
Mica P80 H	Anti Cracking Agent	11	16.000	640.0
Nalco 71-D5	Anti Foaming Agent	-	0.025	1.0
Limestone	Filler	13	72.850	2914.0
			100.000	4000.0

-/ WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

ALKALINITY - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

BONDING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE -
Specifications: There shall be, at most, only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should be a neutral color and match the standard sample.

*NOTE: Stamp front of bag - "WHITE"

-/ Denotes change in this reissue.

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-902

DESCRIPTION OF PRODUCT - White Joint Compound for taping and finishing joints and spotting nailheads.

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec.</u>	<u>Percent</u>	<u>Lbs./Batch</u>
Vandice 512	Fungicide	126	0.075	3.0
Petro AD	Wetting Agent	143	0.100	4.0
Macrosol 250 HXR	Water Retention	170	0.300	12.0
Alme Oxide MX-2	Viscosity Stabilizer	119	0.100	4.0
Soda Ash	Alkaline Source	32	0.400	16.0
Borax	Alkaline Source	37	0.150	6.0
Gascol 100 M	Adhesive	10	4.500	180.0
Amescol TAF-9	Cul.	9	5.500	220.0
Nier 207 M	Anti Cracking Agent	11	18.000	640.0
Defoamer M11	Anti Foaming Agent	196	0.025	1.0
Linocelene	Filler	13	<u>72.850</u>	<u>2914.0</u>
			100.000	4000.0

WORKING CONSISTENCY - Refer to Plant Testing Procedure No. 32.
Specifications: Maximum Minimum Average
 67 63 65

APPLICABILITY - Refer to Plant Testing Procedure No. 34.
Specifications: Maximum Minimum Average
 9.2 8.8 9.0

Minimum soda ash content - 0.40%

WETTING PROPERTIES - Refer to Plant Testing Procedure No. 33.
Specifications: Wet mix shall be plastic and buttery working and free of grit or coarse particles.

FINISHING PROPERTIES - Refer to Plant Testing Procedure No. 35.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE -
Specifications: There shall be, at most, only a couple of very small cracks in the wedge.

COLOR -
Specifications: Dried compound should be a neutral color and match the standard sample.

* Stamp front of bag - "WHITE"

- Denotes change in this reissue.