PLAINTIFF'S EXHIBIT

GP-689

CHICAGO FORMULA #948
ASBESTOS CONTAINING PRODUCTS

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

Raw Material	Source	R.M. Spec.	Lbs./Batch
Vancide 51Z	R. T. Vanderbilt Co.	143	7.20
Hi Calcium Lime	Open Market	-	10.08
Ammonium Oxalate	General Chem. Div. Allied Chemical Co.	-	24.48
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
			2,412.00

Part B - FINISHED PRODUCT

Raw Material	Source	Percent	Lbs./Batch
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
		100.0	522.0

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

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

Raw Material	Source	R.M. Spec.	Lbs./Batch
Vancide 51Z	R. T. Vanderbilt Co.	143	7.20
Hi Calcium Lime	Open Market	-	10.08
Ammonium Oxalate	General Chem. Div. Allied Chemical Co.	-	24.48
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
			2,412.00

Part B - FINISHED PRODUCT

Raw Material	Source	Percent	Lbs./Batch
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
		100.0	522.0

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)

KRT

CHICAGO FORMULA #945
ASBESTOS CONTAINING PRODUCTS

SGP 0016971

#158

Formula C-945
NEW

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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
			100.000	4000

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

	Maximum	Minimum	Average
Brabender Number -	120	80	100

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

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

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

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

STARCH SPOT TEST Specifications: - Test Procedure No. 112

GWG:jr

CHICAGO FORMULA #942
ASBESTOS CONTAINING PRODUCTS

SGP 0016910

CHICAGO FORMULA # 942
ASBESTOS CONTAINING PRODUCTS

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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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/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
Specification: Color of application is to match color of standard sample.

kkt

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.

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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	59.60	2384.0
			100.00	4000.0

-/ WATER CARRYING CAPACITY - Maximum 65 | Minimum 61 | Average 63

-/ ALKALINITY - Refer to Plant Testing Procedure No. 34.
pH Specifications: Maximum 9.5 | Minimum 8.8 | Average 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

RRB:kkt

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)

Raw Material	Function	R.M.Spec.#	Percent	Lbs/Batch
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:	Maximum	Minimum	Average
	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

July 2, 1970
Supersedes Formula No. C-942
Dated 2/16/~~69~~ 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 wallboard, by the use of conventional spray texture or hand equipment.

FORMULA

Raw Material	Function	R.M.Spec.	Percent	Lbs/Batch
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 -

Maximum	Minimum	Average
65	61	63

ALKALINITY - Refer to Plant Testing Procedure No. 34.

pH Specifications:

Maximum	Minimum	Average
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 wnen rewetted.

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

EDO:dek

February 25, [illegible]
Supersedes Formula No. [illegible]
Dated 7/2/70

[illegible] PLANT FORMULA

[illegible] TEXTURE NO. [illegible] - [illegible]

[illegible] OF PRODUCT - Boston Texture (Plaint Type) is a dry [illegible] containing no aggregate, for mixing with [illegible] to produce textured finishes on gypsum wall-board, by the use of conventional spray texture or hand equipment.

[illegible]	Function	[illegible] Spec.	[illegible]	[illegible]
[illegible]	Fungicide	126	[illegible]	[illegible]
[illegible] Lime	Alkaline Source	12	[illegible]	[illegible]
[illegible]	Alkaline Source	-	[illegible]	[illegible]
[illegible]	Whitener	131	[illegible]	[illegible]
[illegible]	Promotes slicker working	-	[illegible]	[illegible]
[illegible]	Whitener	-	[illegible]	[illegible]
[illegible]	Promotes slicker working	167	[illegible]	[illegible]
[illegible]	Adhesive	10	[illegible]	[illegible]
[illegible] Starch	Adhesive	192	[illegible]	120.0
[illegible]	Bulk	9	[illegible]	340.0
[illegible]	Anti Cracking Agent	11	[illegible]	[illegible]
[illegible]	Anti Foaming Agent	196	[illegible]	[illegible]
[illegible]	Filler	13	[illegible]	[illegible]
			[illegible]	[illegible]

[illegible] - Maximum [illegible] Minimum 61 [illegible]

[illegible] - Refer to Plant Testing Procedure No. [illegible].

[illegible] Specifications: Maximum 9.5 Minimum 8.8 [illegible]

[illegible] 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.

[illegible] Specifications: 24 hours after the texture is dry, it should not soften immediately when rewetted.

[illegible] Specifications: Flat White
Color of application is to match color of standard sample.

- [illegible] change in this reissue.

[illegible]

SGP 0016916

CHICAGO FORMULA #937
ASBESTOS CONTAINING PRODUCTS

SGP 0016816

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
Defoamer MIII	Antifoaming Agnet	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		3.00	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

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
Defoamer MIII	Antifoaming Agnet	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		83.03	3321.20
			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

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
Defoamer/MTI	Antifoaming Agnet	196	.020	1.00
Vanicide	Fungicide	126	0.050	2.00
Asbestos 7RF09	Bulking Agent	9	4.250	170.00
Asbestos SG210	Bulking Agent	-	1.500	60.00
Natrosol 250 HXR	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 (ND76646)	Adhesive		4.375	175.00
Limestone	Filler		82.405	3296.20
			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

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. C. W. Lehnert - Tigard~~ THIS Tigard
Tigard Lab
~~Mr. E. B. Hollingsworth - Wilmington~~

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. M. Pettit 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.

FORMULA

RAW MATERIAL	RM Spec	RM Spec %	Percent LBS/BATCH	Lbs/Batch
MICA	11	12	480	
PYROPHYLITE	—	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	
BORAX	37	.10	4.0	
STARAMIC 747	192	2.5	100.0	
CASEIN	10	2.0	80.0	
M111	196	.025	1.0	
ALUMINUM SULFATE	—	.0625	2.5	
TOTALS		100%	4000.0	

erage
62
~~58~~
~~9.0~~
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

Raw Material	RM Spec	Percent	Lbs/Batch
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

SPECIFICATIONS - Testing Procedure		Maximum	Minimum	Average
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

~~May 10, 1976~~
Formula C-936
NEW

CHICAGO, ILLINOIS PLANT FORMULA
~~TOPPING~~ COMPOUND ~~C-936~~

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

LA

w Material	RM Spec	Percent	Lbs/Batch
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

SPECIFICATIONS - Testing Procedure		Maximum	Minimum	Average
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

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
Defoamer MIII	Antifoaming Agnet	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		2.50	100.00
Limestone	Filler		84.28	3371.20
			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

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
Defoamer MTI	Antifoaming Agnet	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		83.03	3321.00
			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

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 -

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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		83.655	3346.20
			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.

-/ denotes change

EDO:elz

December 5, 1972
Supersedes Chicago C-936
Dated 10/3/72

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-936

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

FORMULA -

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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		83.655	3346.20
			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.

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

EDO:elz

-/ denotes change

CHICAGO FORMULA #935
ASBESTOS CONTAINING PRODUCTS

October 9, 1974
Formula C-935
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Gendriv 492S	Thickener	223	.40	20.00
Vanicide	Fungicide	126	.05	2.50
Gelvatol 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
Gelvatol 3000	Adhesive	162	.85	42.50
			100.00	5000.00

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

Specifications:	Maximum	Minimum	Average
	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

December 5, 1972
Supersedes Chicago Formula C-935
Dated 10/3/72

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

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

FORMULA

Raw Material	Function	R.M. Spec	Percent	Lbs/Batch
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		83.03	3321.20
			100.00	4000.00

WORKING CONSISTENCY - Refer to Plant Texting 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.

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	[illegible]
Gendriv	Thickener	222	.60	24
Vanicide	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	--	86.55	3462
Gelvatol 3000	Adhesive	162	.85	34
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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 - 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 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	
Gendriv	Thickener	222	.60	2
Vanicide	Fungicide	126	.05	
Gelvatol 6000	Adhesive	162	.85	3
Attagel 40	Fiber Filler	9	4.00	1
Mica p80-H	Anticracking agent	11	7.00	2
Limestone	Filler	--	86.55	3
Gelvatol 3000	Adhesive	162	.85	
			100.00	

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

Specifications:	Maximum	Minimum	Average
	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

December 5, 1974
Supersedes Formula C-935
Dated11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	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
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

December 5, 1974
Supersedes Formula C-935
Dated11/5/74

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-935

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	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
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

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.

FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs/Batch
Calgon T	Slip agent	-	0.150	6.0
Vancide 51Z	Fungicide	126	0.075	3.0
Natrosol 250 HNR	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 P30 H	Anti-Cracking Agent	11	13.000	520.0
Defoamer M11	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

[illegible] - 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.

EDC:dak

CHICAGO FORMULA #934
ASBESTOS CONTAINING PRODUCTS

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. C. W. Lehnert - Flagstaff~~ THIS CORRECT
Tigard Lab
~~Mr. E. B. Hollingsworth - Wilmington~~

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. N. Pettet PLANT _____ DATE 5/4/77

WNG/gvp
5/4/77

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:
~~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~~

September 2, 1977

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 W. N. G. PLANT _____ DATE 9/2/77

WNG/9/2/77

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. Lohnert - 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 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

Raw Material	Function	RM Spec	Percent	lbs/Batch
Aquafil-K8	Bulking Agent		9.00~~81~~	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		4.5~~0~~	200
Mica p80-H	Anticracking Agent	11	10.12~~56~~	450
Limestone	Filler	13	73.~~72583~~	~~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:	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.

HCF:lj

8/29/78

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 (Plant Formula)
Tigard, Oregon

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. G. Randall Plant: _____ Date: _____

BGR:ps
10/1/81

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

	Raw Material	Function	RM Spec	Percent	lbs/Batch
-/	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:	Maximum	Minimum	Average
	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

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

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
AQUAFIL-K 8	BULKING AGENT	—	9.000	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	-	~~4.5~~ ~~5.626~~	~~250~~ 300
Mica p80-H	Anticracking agent	11	~~10.125~~ 19.127	~~850~~ 450
-/ Limestone	Filler	13	~~73.72~~ ~~72.592~~	~~3226~~ 3272
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

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

	Raw Material	Function	RM Spec	Percent	lbs/Batch
-/	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:	Maximum	Minimum	Average
	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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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
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
Nalco 71-D5	Nalco Chemical Co.		0.025	1.0
Limestone	Thomson-Weinman	13	76.300	3052.0
			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.

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.

kkt

February 16, 1968
Supersedes Formula No. C-934
Dated 12/8/67

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

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

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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.

RRB:kkt

February 15, 1971
Supersedes Formula No. [illegible]
Dated 2/16/68

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

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

[illegible]	Function	F.M. Spec.	Percent	[illegible]
Vancide 51Z	Fungicide	126	0.075	[illegible]
Natrosol 250 HHR	Water Retention	170	0.[illegible]	[illegible]
Zinc Oxide XX-2	Viscosity Stabilizer	119	0.[illegible]	[illegible]
Soda Ash	Alkaline Source	32	0.[illegible]	[illegible]
Borax	Alklaine Source	37	0.[illegible]	[illegible]
Yellow Oxide 2087	Pigment	139	[illegible]	[illegible]
Casein 100 M	Adhesive	10	[illegible]	[illegible]
[illegible] TRF-9	Bulk	9	5.[illegible]	[illegible]
[illegible]	Anti Cracking Agent	11	[illegible]	[illegible]
Defoamer [illegible]	Anti Foaming Agent	196	0.[illegible]	[illegible]
Limestone	Filler	13	[illegible]	[illegible]
			100.000	[illegible]

[illegible] CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications:	Maximum	Minimum	Average
	67	63	65

[illegible] - Refer to Plant Testing Procedure No. 34.

Specifications:	Maximum	Minimum	Average
	9.2	[illegible]	9.0

Minimum soda ash content - 0.35%

[illegible] - Refer to Plant Testing Procedure No. 33.

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

[illegible] RESISTANCE -

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

[illegible] -

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

- Denotes change in this reissue.

SGP 0016731

December 5, 1972
Supersedes Formula No. C-934
Dated 2/25/71

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-934

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

FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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 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

Raw Material	Function	RM Spec.	Percent	Lbs/Batch
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	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
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

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

Raw Material	Function	RM Spec.	Percent	Lbs/Batch
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 - 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
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

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

Raw Material	RM Spec	Percent	Lbs/Batch
Mica	11	12.0000	480
Pyrophylite	-	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
M111	196	.0250	1.0
Aluminum Sulfate	-	.0625	2.5
		100.0000	4000.0

SPECIFICATIONS - Testing Procedure		Maximum	Minimum	Average
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

CHICAGO FORMULA #933
ASBESTOS CONTAINING PRODUCTS

SGP 0016669

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 FOR

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 _____ PLANT _____ DATE 5/9/75

WNG

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

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

Cleared

TO:

~~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. C. W. Lennert - 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 W.N.G. PLANT _____ DATE 12/3/75

WNG

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

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. N. H. PLANT _____ DATE 9/8/75

WNG

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. Lohnert - 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 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

Raw Material	Function	RM SPEC	Percent	Lbs/Batch
*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~~457	~~3226~~ 3220
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:	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

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

	Raw Material	Function	RM SPEC	Percent	Lbs/Batch
	*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.

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

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 (Plant Formula)
Tigard, Oregon

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 G 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

	Raw Material	Function	RM Spec.	Percent	Lbs/Batch
	*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	72.457	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.

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
HCF:ps

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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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 - 0.3%

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

February 16, 1968
Supersedes Formula No. C-933
Dated 12/8/67

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND C-933

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

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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.

RRB:kkt

SGP 0016680

February 25, 1971
Supersedes Formula No. [illegible]
Dated 2/16/68

CHICAGO, ILLINOIS PLANT FORMULA

TOPPING COMPOUND [illegible]-933

[illegible] OF PRODUCT - White Topping Compound for topping joints and spotting nailheads.

[illegible]	Function	R.M. Spec.	Percent	Lbs./Batch
[illegible] 51Z	Fungicide	126	0.075	3.0
[illegible] 250 HXR	Water Retention	170	0.400	16.0
[illegible] Guide [illegible]-2	Viscosity Stabilizer	119	0.100	4.0
[illegible]	Alkaline Source	32	0.350	14.0
[illegible]	Alkaline Source	37	0.150	6.0
Casein 100 M	Adhesive	10	4.000	160.0
[illegible] 7RF-9	Bulk	9	5.500	220.0
[illegible]	Anti Cracking Agent	11	13.000	520.0
[illegible] M111	Anti Foaming Agent	196	0.025	1.0
[illegible]	Filler	13	[illegible]	[illegible]
			100.000	4000.0

[illegible] CONSISTENCY - Refer to Plant Testing Procedure No. 32.

Specifications:	Maximum	Minimum	Average
	67	63	65

[illegible] - Refer to Plant Testing Procedure No. 34.

Specifications:	Maximum	Minimum	Average
	9.2	8.6	9.0

Minimum soda ash content - 0.35%

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

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

[illegible] -
Specifications: Neutral dried compound should match the color of standard sample.

-- Denotes change in this reissue.

[illegible]

SGP 0016681

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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

WNG:elz

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*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.

Specifications:	Maximum	Minimum	Average
	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

March 31, 1975
Formula C-933

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
[illegible]	[illegible]		.10	[illegible]
[illegible]	[illegible]	170	.50	[illegible]
Vanicide	Fungicide	126	.05	2
Gelvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Micro-80-H	Anticracking agent	11	12.00	480
Limestone	Filler	[illegible]	81.35	3254
Hercules 267	Adhesive	23	1.00	40
			100.00	[illegible]

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

Specifications:	Maximum	Minimum	Average
	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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	4
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	116	.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	13	81.35	3254
Namico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

-/denotes change

WMG:jg

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*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~~ 550
Limestone	Filler	13	~~81.35~~ 77.1	3254 2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	~~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

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	*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.

	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:jg

September 4, 1975
Supersedes Formula C-933
Dated 5/7/75
7/9/75

CHICAGO, ILLINOIS, PLANT FORMULA
TOPPING COMPOUND C-933

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*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	1371.9	~~72.1~~	~~2884~~ 2876
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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:jg

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*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	71.9	2876
Hamico 267	Adhesive	23	1.00	40
-/ Sorbitol (Powdered)	Borax Stabilizer	-	.20	8
			100.00	4000

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: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

Raw Material	Function	RM SPEC	Percent	Lbs/Batch
*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	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.

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

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

Raw Material	Function	RM SPEC	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ ~~Attage 1-40~~ FG	Fiber Filler		~~9.562~~ ~~3.600~~	~~160~~ 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13	~~72.542.746~~	~~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.

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

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

Raw Material	Function	RM SPEC	Percent	Lbs/Batch
*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.

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

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

	Raw Material	Function	RM Spec.	Percent	Lbs/Batch
	*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	72.457	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.

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
HCF:ps

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. Petraline - 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 _____ PLANT _____ DATE 3-31-75

WNG

SGP 0016694

MAR 24 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 TRIAL [illegible] ONLY.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
*Yellow Oxide	Pigment		.10	4
-/ Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Gelvatol 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~~	~~280~~ 480
Limestone	Filler	--	81.35 ~~86.65~~	~~3466~~ 3254
~~Gelvatol 3000~~ HAMICO 267	Adhesive	~~162~~ 23	1.00 ~~.85~~	~~34~~ 40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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.

kkt

CHICAGO FORMULA #926
ASBESTOS CONTAINING PRODUCTS

SGP C016580

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

Raw Materials	Source	R.M. Spec.	Percent	Lbs./Batch
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.

kkt

April 1, 1968
Supersedes Formula No. C-926
Dated 2/16/68

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Bat
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
Nalco 71-D5	Anti Foaming Agent	-	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.

-/ Denotes change in this reissue

RRB:kkt

February 25, 1971
Supersedes Formula No. C-926
Dated 4/1/68

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

Material	Function	R.M. Spec.	Percent	Lbs./Batch
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 P10 H	Anti Cracking Agent	11	17.000	600.0
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

PERMANENTLY - 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

LDC:dek

SGP 0016583

January 15, 1973
Chicago Formula No. C-926
Reissued

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

Raw Materials	Function	RM Spec.	Percent	Lbs./Batch
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.

FORMULA

Raw Materials	Function	RM Spec.	Percent	Lbs./Batch
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

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 FOR

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 _____ PLANT _____ DATE 5/8/75

WNG

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

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. N. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:
~~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~~

September 2, 1977

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 W. J. G PLANT _____ DATE 9/2/77

WNG/9/2/77

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

December 2, 1975

Altered

TO:

~~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. 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 _____ PLANT _____ DATE 12/3/75

WNG

N-4 6
~~April 30~~, 1975
Formula C-~~963~~ 923
NEW

CHICAGO, ILLINOIS, PLANT FORMULA
~~HEAVY DUTY JOINT~~ COMPOUND C-~~963~~ 923
BEDDING

DESCRIPTION OF PRODUCT - ~~Multi-purpose~~ BEDDING compound for taping, ~~finishing~~, ~~spotting nailheads and texturing~~. ~~For sale shipment only.~~ PERFORATED [illegible] USE TO BE USED AS A TOPPING COMPOUND

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	13	81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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.

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

WNG:jg

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 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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~~	342~~82~~
* 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.

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 - 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

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 (Plant Formula)
Tigard, Oregon

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

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

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

-/ denotes change

HCF:ps

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

Raw Material	Function	PM Spec	Percent	Lbs/Batch
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	13	81.45	3258
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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 an [illegible] small cracks in bed [illegible].

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

WNG:jg

OCT. 13, 1975
~~May 7, 1975~~
supersedes 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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 ~~12.00~~	~~480~~ 850
Limestone	Filler	13	72.1 ~~81.45~~	~~3258~~ 2886
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

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

WNG:jg

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	2888
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	72.0	2880
Hamico 267	Adhesive	23	1.00	40
-/ Sorbitol (powdered)	Borax stabalizer		.20	8
			100.00	4000

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

WNG:jg

-/ denotes change

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	137	~~74.~~74.708	~~3320~~ 3336
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.

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 - 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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

WNG/gvp

-/ denotes change

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ 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.

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

WNG/jg

-/ denotes change

JAN. 10, 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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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~~ MINUGEL FG	Fiber filler	6 ~~9~~ 5.626	~~3.600~~	~~160~~ 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler	13 72.5	~~274.618~~	~~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.

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

WNG/ ~~jg~~ gp

-/ denotes change

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 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.

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

-/ denotes change

WNG/gvp

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Petro AD	Dispersant	126	.090	
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.

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

-/ denotes change

WNG/gvp

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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 - 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

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. G. W. Lehnert - Tigard~~
Tigard Lab

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. N. Yetter PLANT _____ DATE 10/14/75

WNG

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

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 _____ PLANT _____ DATE 5/8/75

WNG

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Gendriv 492S	Thickener	223	.40	20.00
Vanicide 51Z	Fungicide	126	.05	2.50
Gelvatol 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
Gelvatol 3000	Adhesive	162	.85	42.50
			100.00	5000.00

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

Specifications:	Maximum	Minimum	Average
	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.

BONDONG 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.

WNG:jg

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Natrosol 250 HXR	Thickener	170	.50	20
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	--	86.75	3470
Gelvatol 3000	Adhesive	162	.85	34
			100.00	4000

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

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

WNG:jg

-/ denotes change

JANUARY

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ Natrosol 250 HXR	Thickener	170	.50	20
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	--	86.75	3470
Gelvatol 3000	Adhesive	162	.85	34
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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

Raw Material	Function	R.M. Spec.	Percent	Lbs/Batch
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	72.75	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.

EDO:dek

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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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	0.300	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

August 20, 1968
Supersedes Formula C-905
Dated 2/16/68

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-905

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

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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.

RRB:kgc

CHICAGO FORMULA #904
ASBESTOS CONTAINING PRODUCTS

SGP 0016330

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 FOR

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 _____ 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Petro AD	Dispersant	126	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	.990	44
-/ ~~Minugel FG~~ X 1427	Fiber Filler	-	~~5.626~~ 3.6	250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler		~~72.592~~ 74.3	3226 3300
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 - 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

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 Herbert Jones PLANT _____ DATE 11-30-77

HCF
11/29/77

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 (Plant Formula)
Tigard, Oregon

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 G Randall Plant: _____ Date: _____

BGR:ps
10/1/81

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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
				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 - 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:ps

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&S 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C 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.~~618~~573	~~3320~~ 3314
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:	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 - 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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C 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.	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.

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 - 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

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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
				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 - 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: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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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
				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 - 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: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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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
				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 - 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: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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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
				100.000	4444

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

Specifications:	Maximum	Minimum	Average
	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

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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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	8.3	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.

kkt

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvatol 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
Gelvatol 3000	Adhesive	162	.85	34.0
			100.00	4000.0

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

Specifications:	Maximum	Minimum	Average
	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.

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

WNG:jg

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.50	20.0
Vancide 51Z	Fungicide	126	.05	2.0
Gelvatol 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
Gelvatol 3000	Adhesive	162	.85	34.0
			100.00	4000.0

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

Specifications:	Maximum	Minimum	Average
	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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	C126	.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		74.618	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.

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 - 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

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 FOR

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 _____ PLANT _____ DATE 5/9/75

WNG

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

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

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. N. G. PLANT _____ DATE 12-14-76

WNG
12/1/76

GEORGIA-PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

TO:
~~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~~

September 2, 1977

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 W. N. G. PLANT _____ DATE 9/2/77

WNG/9/2/77

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

September 5, 1975

Unused

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

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. N. [illegible] PLANT _____ DATE 9/8/75

WNG

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~~
~~Mr. 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 J.J.16 PLANT _____ DATE 12/3/75

WNG

APRIL 30,
~~March 31,~~ 1975
Formula C-~~933~~
NEW 903

CHICAGO, ILLINOIS, PLANT FORMULA
TAPING ~~TOPPING~~ COMPOUND C-~~933~~ 903

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

FORMULA — HAND TEXTURING.

Raw Material	Function	RM Spec	Percent	Lbs/Batch
~~*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		81.45	3256
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	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~~ WHITE or ~~white~~ YELLOW *
Specifications: Dried compound shall not vary in color from preceding batches.

* For ~~white~~ YELLOW compound, ~~delete~~ ADD 4 LBS. yellow oxide ~~from~~ PER batch

WNG:elz

GEORGIA PACIFIC CORPORATION
GYPSUM DIVISION
TIGARD, OREGON

April 30, 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 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. N. L 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. N. G. PLANT _____ DATE 10/13/77

WNG
10/5/77

SGP 0016270

Supersedes Formula C-903
Dated: 1/10/77

CHICAGO, ILLINOIS, PLANT FORMULA
VINYL ~~TRIPLE DUTY~~ JOINT COMPOUND, C-903 - C-923 - C-953.

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

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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 - 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

WNG/jr

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

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 - 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

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. Lohnert - 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. Flowers Plant: LAB Date: 9-11-79

HCF:ps
9/11/79

February 16, 1968
Supersedes Formula No. C-903
Dated 12/8/67

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

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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 Specifications: - Refer to Plant Testing Procedure No. 32.

Maximum	Minimum	Average
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 in this reissue.

RRB:kkt

February 25, 1971
Supersedes Formula No. C-903
Dated 2/16/68

OWENS, ILLINOIS PLANT FORMULA

TRIPLE DUTY COMPOUND C-903

USE / DESCRIPTION OF PRODUCT - Vinyl Multi-Purpose Compound for use with perforated tape. It is used for taping, finishing, spotting nail-heads and texturing.

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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 325 M	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 - Refer to Plant Testing Procedure No. 02.

Specifications:	Maximum	Minimum	Average
	54	50	52

WORKING PROPERTIES - Refer to Plant Testing Procedure No. 05.
Specifications: Wet mix shall be plastic and buttery working and free of coarse or gritty particles.

DRYING PROPERTIES - Refer to Plant Testing Procedure No. 06.
Specifications: After compound has dried, tape shall delaminate when peeled back.

CRACK RESISTANCE - Refer to Plant Testing Procedure No. 07.
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.

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

	Raw Material	Function	PM Spec	Percent	Lbs/Batch
	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 - 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

WNG:elz

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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:	Maximum	Minimum	Average
	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.

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

WNG:jg

April 30, 1975
Formula C-903
NEW [illegible]

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

Material	Function	RM Spec	Percent	Lbs/Batch
Natrosol 250 HXR	Thickener	170	.50	20
Vanicide	Fungicide	126	.05	2
Celvatol 6000	Adhesive	162	1.00	40
Attagel 40	Fiber Filler	9	4.00	160
Mica 325-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:	Maximum	Minimum	Average
	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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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:	Maximum	Minimum	Average
	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.

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

-/ denotes change

WNG:jg

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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	~~11.25~~ 12.00	~~480~~ 480
Limestone	Filler		~~72.1~~ 81.45	~~3258~~ 2884
Hamico 267	Adhesive	23	1.00	40
			100.00	4000

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

Specifications:	Maximum	Minimum	Average
	~~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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

-/ Specifications:

Maximum	Minimum	Average
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.

FORMULA

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

-/ Specifications:

Maximum	Minimum	Average
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.

FORMULA

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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		72.00	2880
	Hamico 267	Adhesive	23	1.00	40
-/	Sorbitol (powdered)	Borax stabalizer		.20	8
				100.00	4000

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 - 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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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		74.688 ~~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.

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 - 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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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 - 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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
-/ 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		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.

Specifications:	Maximum	Minimum	Average
	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

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.

FORMULA

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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~~ ATTAGEL 50	Fiber Filler	~~9~~	~~5.626~~ ~~3.600~~	~~160~~ 250
Mica p80-H	Anticracking agent	11	19.127	850
-/ Limestone	Filler		~~72.692~~ ~~74.618~~	~~3226~~ 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.

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 - 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~~
gp

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Petro AD	Dispersant	126	.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		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.

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 - 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

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
Petro AD	Dispersant	~~126~~	.090	4
Natrosol 250 HXR	Thickener	170	.450	20
Vanicide	Fungicide	126	.045	2
Gelvatol 6000	Adhesive	162	1.485 ~~.990~~	~~44~~ 66
-/ Minugel FG (Englehart X4927)	Fiber Filler	-	3.375 ~~5.626~~	~~250~~ 150
Mica p80-H	Anticracking agent	11	13.501 ~~19.127~~	~~850~~ 600
-/ Limestone	Filler	13	77.139 ~~72.592~~	3226 [illegible]
Hamico 267	Adhesive	23	.450 .900	~~40~~ 20
Sorbitol (powdered)	Borax stabilizer		.180	8
[illegible] .176 266			[illegible]	[illegible]
			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 - White or yellow* [illegible]
Specifications: Dried compound shall not vary in color from preceding batches.

[illegible] T 13-105 MAY BE SUBSTITUTED AT AN EQUAL [illegible]

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

[illegible] NW 27 MAY BE SUBSTITUTED AT AN [illegible]

-/ denotes change

WNG/gvp

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

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 - 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

WNG/ir

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

Raw Material	Function	RM Spec	Percent	Lbs/Batch
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.

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 - 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

WNG/jr

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. Lohnert - 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: Herbert C. Jones Plant: L&B Date: 1-22-80

HCF:PS
1/18/80

SGP 0016292

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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~~	342~~82~~
*	Hamico 267	Adhesive	23	.450	20
	Sorbitol (powdered)	Borax Stabilizer		.~~180~~	~~81~~
**	Celite 266	Body Builder		3.375	150
				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 - 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. Lohnert - 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

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.~~139.004~~	3428~~2~~
*	Hamico 267	Adhesive	23	.450	20
	Sorbitol (powdered)	Borax Stabilizer		.~~180~~.315	~~8~~ 14
**	Celite 266	Body Builder		3.375	150
				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 - 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 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 (Plant Formula)
Tigard, Oregon

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 G Randall Plant: _____ Date: _____

BGR:ps
10/1/81

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

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 - 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 0016297

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

	Raw Material	Function	RM Spec	Percent	Lbs/Batch
	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.

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 - 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

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

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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

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.

FORMULA

Raw Material	Source	R.M. Spec.	Percent	Lbs./Batch
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	72.850	2914.0
			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.

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"

kkt

February 16, 1968
Supersedes Formula No. C-902
Dated 12/8/67

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-902

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

-/ FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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.

RRB:kkt

SGP 0016212

February 25, 1971
Supersedes Formula No. C-902
Dated 2/16/68

CHICAGO, ILLINOIS PLANT FORMULA

JOINT COMPOUND C-902

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

FORMULA

Raw Material	Function	R.M. Spec.	Percent	Lbs./Batch
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 [illegible]	Adhesive	10	4.500	180.0
[illegible]	Bulk	9	5.500	220.0
[illegible]	Anti Cracking Agent	11	16.000	640.0
Defoamer M111	Anti Foaming Agent	196	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

[illegible] - Refer to Plant Testing Procedure No.34.

Specifications:	Maximum	Minimum	Average
	9.2	8.8	9.0

Minimum soda ash content - 0.40%

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

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

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

[illegible] -
Specifications: Dried compound should be a neutral color and match the standard sample.

*[illegible] Stamp front of bag - "WHITE"

- Denotes change in this reissue.

SGP 0016213

[illegible]:dex