PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	JOINT COMPOUND CASEIN BASE	BULLETIN NO: J-6008 DATE: 1/30/70 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: 3P-10 DATE: 4/25/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	65.62	1380	
266	Mineralite 260	2.38	50	
251	Mica P80F	11.89	250	
045	Asbestos 7RF10	10.46	220	
084	Casein	7.13	150	
025	Ammonium Oxalate	1.04	22	
216	Hydrated Lime	.28	6	
430	Sodium Tripolyphosphate	.48	10	
456	Troysan CAP-10SEP	.24	5	
079	Cellosize T JC McKinney 22F	.48	10	
	TOTAL		2103	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J-3008.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 150 cc water	38 - 40 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

ALL-STATE LEGAL
PLAINTIFF'S EXHIBIT
KG-321

EXHIBIT 9
Deponent Kirk
Date 1/05/06 Rptr. MAJ
WWW.DEPOBOOK.COM

EXHIBIT 8
hg Litigation Services

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: 6368 DATE: (9/22/69) PAGE: 1 of 3
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: 1P-60 DATE: 9/1/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
082	Calcined Gypsum	25.74	500	
251	Mica, P80F	7.72	150	
330	Polyvinyl Alcohol, Coval 9702	.76	15	
045	Asbestos 7RF 10	3.35	65	
325	Polyvinyl Acetate, D702	4.12	80	
279	Natrosol 250 HHXR	.36	7	
430	Sodium Tripolyphosphate (STPP)	.05	1.0	
456	Troysan CMP 10SEP	.08	1.5	
320	Dibutyl Phthalate (Dry liquid			
	Concentrate)	.38	7.5	
332	Potassium Sulphate, K_2SO_4			
	(98% -100 mesh)	.76	10-15	
417	Sodium Citrate (98% -100 mesh)	.05	1.0	
220	Whiting	25.74	500	
186	Hydrite Flat D Clay	5.15	100	
082	Calcined Gypsum	25.74	500	
	TOTAL BATCH WEIGHT	100.00	1943 lbs.	

MANUFACTURING INSTRUCTIONS:

1. A thorough clean-out with whiting must be made before and after each production run.
2. Wall Texture or Joint Compounds are to be run immediately after a run of this product.
3. Mixing time shall be 8 minutes minimum and 12 minutes maximum.
4. Special orders of SLOW SET One Day Joint Compound can be made by reducing the amount of potassium sulfate (Bulletin No. 332) from 10-15 pounds to 2.5 to 5.0 pounds per batch.

EXHIBIT
KG-210

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: 6368 DATE: (9/22/69) PAGE: 2 of 3
APPROVALS:	DELANCO	CANCELS: 1P-60 DATE: 9/1/68

QUALITY CONTROL:

Test Method

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 120 cc water	38 - 40 mm
TM-1A	Viscosity, Brookfield 200 gm to 120 cc water	188,000 to 220,000 cps
TM-3	Bond @ 70°F and 40°F 50% RH	9 - 10
TM-7	Workability	Equal to Standard
TM-27	Vicat Set Time, 300 gm needle (hrs)	1-1/2 - 2

NOTE: For Slow Set as follows:

Vicat, 11 gm needle (hrs)	2 - 2-1/2
300 gm needle (hrs)	2-1/2 - 3
Δ t (300 m -11 gm)	10 - 30 minutes

SPECIFICATIONS:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 120 cc water	38 - 40 mm
TM-1A	Viscosity, Brookfield 200 gm to 120 cc water	188,000 - 220,000 cps
TM-27	Vicat Set, 300 gm needle	
	(a) Fast Set (hrs)	1 - 1-1/2
	(b) Slow Set (hrs)	
	11 gm needle (hrs)	2 - 2-1/2
	300 gm needle (hrs)	2-1/2 - 3
	Δ t (300 gm -11 gm)	10 - 30 minutes
TM-3	Tape Bond @ 70F @ 40-70% RH	9 - 10
	@ 40F @ 50-90% RH	9 - 10
TM-4	Slope Bond @ 110F	Excellent

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: 6368 DATE: (9/22/69) PAGE: 3 of 3
APPROVALS:	DELANCO	CANCELS: 1P-60 DATE: 9/1/68

SPECIFICATIONS: (cont.)

TM-9	Cup Shrinkage @ 70F @ the Set @110F (Dry)	2% maximum 6% maximum
TM-10	Edge Cracking @ 110°F (normal test)	None
TM-11	Voids	Equal to Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-21	Reaction to Iodine	Light Red
TM-26	Paste Density (gms/cc)	1.40 - 1.50

NOTE: One batch of One Day Joint Compound shall be used as a standard for a maximum of 6 months. The code of the Standard Batch shall be recorded in laboratory test records.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	JOINT COMPOUND CASEIN BASE	BULLETIN NO: 3P-10 DATE: (4/25/68) PAGE: 1 of 3
		CANCELS: NEW DATE:

PRODUCING PLANT: Delanco

FORMULA:

	Item	Amount per Batch	Bulletin
1.	Mineralite 260	50.0 lbs.	RM-J9A
2.	Mica, P80F	250.0 lbs.	RM-J7B
3.	Asbestos, Type 7RF10	200.0 to 220.0 lbs.	RM-J3A
4.	Methocel 228	8.0 lbs.	RM-J26B
5.	Hydrated Lime	6.0 lbs.	RM-J12
6.	Ammonium Oxalate	22.0 lbs.	RM-J1
7.	Sodium Tripolyphosphate	10.0 lbs.	RM-J19
8.	Casein, 2% Surfactol	150.0 lbs.	RM-J3
9.	Marblewhite 325	1300.0 to 1400.0 lbs.	RM-J17
10.	Troysan CMP-10SEP	5.0 lbs.	RM-J10B
	Total Batch Weight	2101.0 lbs.	

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	FINISHING COMPOUND CASEIN BASE	BULLETIN NO: 3P-20 DATE: (4/25/68) PAGE: 1 of 2
		CANCELS: NEW DATE:

PRODUCING PLANT: Delanco

FORMULA:

ITEM	AMOUNT PER BATCH	BULLETIN
1. Mica, P80F	250.0 lbs.	RM-J7B
2. Asbestos, Type 7TF1	200.0 lbs.	RM-J2A
3. Asbestos, Grade SG210	30.0 lbs.	RM-J2D
4. Methocel 228	7.0 lbs.	RM-J26B
5. Ammonium Oxalate	12.0 lbs.	RM-J1
6. Sodium Tripolyphosphate	6.0 lbs.	RM-J19
7. Casein, 2% Surfactol	90.0 lbs.	RM-J3
8. Mineralite 260	400.0 lbs.	RM-J9A
9. Yellow Oxide	2.0 lbs.	RM-J5
10. Troysan CMP-10SEP	3.0 lbs.	RM-J10B
11. Marblewhite 325	1100.0 lbs.	RM-J17
Total Batch Weight	2100.0 lbs.	

RAW MATERIAL BULLETIN DRYWALL ACCESSORY	ASBESTOS (FINE FIBER)	BULLETIN NO: RM-J2D DATE: 1/15/69 PAGE: 1 of 1
		CANCELS: NEW DATE:

APPROVED SOURCES: UNION CARBIDE
(SG 210)

SPECIFICATIONS:

1. Magnetite	2% Maximum
2. Reflectance (GE Photovolt)	68%
3. Dry Bulk	5 - 6 Pounds/Cubic Foot
4. Wet Bulking, 10 gm in 250 ml at 1 hour	220 Ml. Settled Volume
5. Wet Screen, Cumulative, Retained on:	
20 Mesh	0%
35 Mesh	0%
100 Mesh	1%
200 Mesh	3%
325 Mesh	12 %

WARNING

Employees should wear respirators when handling, weighing and batching asbestos.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND	BULLETIN NO: J-6408 DATE: 11-21-74 PAGE: 1 of 3
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: J-6408 DATE: 2-28-73

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	67.56	1350	
251	Mica AMC	12.51	250	
442	Talc	7.51	150	
045	Asbestos 7RF10	5.01	100	
431	Starch Staramic 747	5.01	100	
084	Casein	1.25	25	
025	Ammonium Oxalate	.30	6	
430	Sodium Tri Poly Phosphate	.15	3	
244	Thickner M/C 228	.30	6	
453A	Preservative (PMA-10-SEP)	.15	3	
454	Defoamer	.15	3	
200	Keltose	.10	2	
	TOTAL	100.00	1998	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin No. J-308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield 200 gm to 130 cc water	190,000 - 210,000 CPS
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

135 cc.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND	BULLETIN NO: J-6408 DATE: 11-21-74 PAGE: 2 of 3
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: J-6408 DATE: 12-22-72

PRODUCT SPECIFICATIONS:

Test Method		
TM-1A	Viscosity (mixing water of 135cc/200 gm)	190,000 - 210,000 CPS
TM-2	pH (Beckman meter)	8.0 - 8.5
TM-3A	Bond @ 65-80°F	9 - 10 minimum
TM-4	Slope Checking @ 110°F	Lt. checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80°F (mins)	15 minimum
TM-7	Workability (hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	27% maximum
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh.
TM-14	Voids	Equal to Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-16	Rate of Wetting (secs)	30 maximum
TM-18	Water Resistance (mins)	2 minimum
TM-21	Iodine Test	light blue
TM-25	Normal Application Consistency (cc/100 gm)	65 - 70

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND	BULLETIN NO.: J-6408 DATE: 11-21-74 PAGE: 3 of 3
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: DATE:

PRODUCT SPECIFICATIONS:

Test Method		Requirement	Lab Test Batch	Factory Batch # D6-18-1-3PCX
TM-1A	Viscosity (mixing water of 130 cc/200 gm)	190,000 - 210,000 CPS	200,000	205,000
TM-2	pH (Beckman meter)	8.2 - 9.2	8.4	8.4
TM-3A	Bond @ 64-80°F	9 - 10	9 - 10	10
	@ 44°F after recovery at 75°F	9 - 10	9 - 10	9 - 10
TM-4	Slope Checking @ 110°F	Lt. checking on thick end. No fissures or cracks.	Passes	Passes
TM-5	Open Time @ 65-80°F (mins)	15 minimum	16	17
TM-7	Workability (hand or Ames tools)	Equal to Standard	Standard	Standard
TM-9	Shrinkage (cup method)	27% maximum	23.2	24.2
TM -10	Edge Cracking	None	Passes	Passes
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh.	Passes	Passes
TM-14	Voids	Equal to Standard	Standard	Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)	Standard	Standard
TM-18	Water Resistance (seconds)	2 minimum	3	3
TM-21	Iodine Test	Light Blue	Light Blue	Light Blue
TM-25	Normal Application Consistency	65 - 70	65	66

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX TOPPING COMPOUND	BULLETIN NO: J-6808 DATE: 12-20-74 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: J-6808 DATE: 12-19-72

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
221	Whiting	60.94	4000	
047	Asbestos SG 210	.92	60	
442	Talc, Nytal 200	1.52	100	
086	Celite 434	1.52	100	
244	Methocel 228	0.27	18	
330	PV Alcohol	.15	10	
453	Preservative	.06	4	
470	PVA Emulsion 4.40% on solids	5.06	332	36
	Water	26.66	1750	210 max.
284	Oleic Acid	.37	24	
450	Triethanolamine	.18	12	
267	Odorless Mineral Spirits	1.22	80	12.5
130	Ethylene Glycol	1.14	75	8
	TOTAL	100.00	6565	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J-206.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield	275,000 to 325,000
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX TOPPING COMPOUND	BULLETIN NO: J-6808 DATE: 12-20-74 PAGE: 2 of 2
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: J-6808 DATE: 12-19-72

PRODUCT SPECIFICATIONS:

Test Method		
TM-1A	Viscosity, Brookfield, (cps)	275,000 to 325,000
TM-2	pH, Beckman	8.0 to 9.5
TM-4	Slope Checkint at 100°F	8 minimum
TM-5	Open Time @ 65-80°F (minutes)	15 minimum
TM-7	Workability	9 - 10
TM-9	Shrinkage (cup method)	20% maximum
TM-11	Voids	9 - 10
TM-34	Hardness @ 48°F	8 - 13. No chalking.
TM-39	Paintability Test	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: 08-069 ~~3F-12~~ DATE: (4/25/68) PAGE: 1 of 4
		CANCELS: NEW DATE:

PRODUCING PLANT: Delanco JACKSONVILLE

FORMULA:

	ITEM	AMOUNT PER BATCH	BULLETIN
1.	Asbestos 7TF1	150.0 lbs.	RM-J2A
2.	Methocel 228	12.0 lbs.	RM-J26B
3.	Marblewhite 325	1100.0 lbs.	RM-J17
4.	Mica, P80F	250.0 lbs.	RM-J7B
5.	Sericite, Narvon CEF2	175.0 lbs.	RM-J9
6.	~~Hydrite Clay~~	50.0 lbs.	RM-J4A
7.	~~Asbestine~~ FT	100.0 lbs.	RM-J11A
8.	Yellow Oxide	0.0 to 3.0 lbs.	RM-J5
9.	Troysan CMP-10SEP	3.0 lbs.	RM-J10B

Dry blending time shall be 8 minutes minimum and 12 minutes maximum.

10.	Water (maximum)	140	lbs.	
11.	Ethylene Glycol	0 to 2	gals.	RM-J21
12.	~~Daxad 30 (dispersant)~~	~~1200 to 2400 cc.~~		RM-J35
13.	PVAc Emulsion (Union Carbide WC-130) WC431	24	gals.	RM-J25
14.	Defoamer (liquid)	0 to 3	lbs.	RM-J15
15.	Dibutyphthalate	0 to 10	lbs.	RM-J24

NOTES: USE - 475- 525

1. Adjust water as required to maintain proper paste consistency.
2. Adjust dispersant (item 12) and defoamer (item 14) as required to maintain proper paste consistency and blending without air entrainment.
3. Adjust glycol (item 11) as required to maintain open time and workability.
4. Adjust yellow oxide as required for specific customer acceptance.
5. Adjust dibutyl phthalate (item 15) as required to maintain bond and water resistance.

MIXING CYCLE:

1. Add 110 gallons of water to mixer, followed by items 11, 12, 13, 14 and 15.
2. Start paste mixer and start dry powder addition. Continue paste mixing until all dry powder has been added.
3. Stop paste mixer and clean sides of mixer.
4. Start mixer and run for five minutes, add five to 10 gallons water, mix one minute and start recirculation of paste.

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCT:	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: JP-12 DATE: (4/29/68) PAGE: 4 of 4
		CANCELS: NEW DATE:

QUALITY CONTROL: (cont.)

D. Standard Batch

Daily production samples shall be directly compared (Product Tests) with the Standard Batch at least once per month.

Job problem samples shall be directly compared to the Standard Batch, using all Product Tests. If necessary, because of special job conditions or use of material, additional laboratory testing should be done to duplicate job conditions and to compare problem material with the Standard Batch and with competitive materials.

A new Standard Batch shall be selected by a direct comparison with the Standard Batch, using all Product Tests.

ANIC042004 0013

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE JOINT COMPOUND (CASEIN BASE)	BULLETIN NO: ~~3P-15~~ 4P-15 DATE: (12/3/68) PAGE: 1 of 2
		CANCELS: NEW DATE:

PRODUCING PLANT: Delanco JACKSONVILLE

FORMULA:

	Item	Amount per Batch	Bulletin
1.	Mica, P80F	250.0 lbs.	RM-J7B
2.	Asbestos, Type 7TF1	230.0 lbs.	RM-J2A
3.	~~Methocel 228~~ TJC	7.0 lbs.	RM-J26B
4.	Ammonium Oxalate	8.0 lbs.	RM-J1
5.	Sodium Tripolyphosphate	4.0 lbs.	RM-J19
6.	Casein, ~~2% Surfactol~~ UNOILED	90 ~~100.0~~ lbs.	RM-J3
7.	Sericite, Narvon CEF 2	400.0 lbs.	RM-J9
8.	Titanium Pigment	~~0 to 50.0 lbs.~~	RM-J14
9.	Troysan CMP-10SEP	3.5 lbs.	RM-J10B
10.	Talc, Asbestine FT	100.0 lbs.	RM-J11A
11.	Marblewhite 325	1000.0 lbs.	RM-J17
12.	~~Petro AA~~	~~1.0~~ lbs.	-
	Total Batch Weight	2103.5 lbs.	

Mixing time shall be 8 minutes minimum and 12 minutes maximum.

PRODUCT SPECIFICATIONS:

1.	Normal Application Consistency (cc. per 100 grams)	74-82
	a. Viscosity (Mixing water of 150 cc/200 gm)	150,000 to 275,000 cps
2.	pH (meter)	8.2 to 9.5
3.	Open Time @ 65-80°F (minutes)	15 minimum
4.	Shrinkage (cup method)	30% maximum
5.	Rate of Wetting (seconds)	30 maximum
6.	Foaming (area covered)	50% maximum
7.	Slope Checking @ 100°F	Light checking on thick end. No fissures or cracks.
8.	Grit (total)	0.05% maximum
9.	a. Tape Bond @ 65-80°F	3/4" peel (maximum)
10.	Mixing	Equal to Standard (no lumps or dry agglomerates)
11.	Voids	Equal to Standard (8.0 minimum)
12.	Workability	Equal to Standard (8.0 minimum)

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 12/5/72 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6908 DATE: 12/10/71

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
045	Asbestos 7RF 10	2.47	150	
252	Mica P 85	9.87	600	
220	Whiting	44.42	2700	
245	Thickener M/C 228	0.39	24	
200	Keltose	.19	12	
453	PMA 20SEP	0.05	3	
470	UCAR 131 6.23% PVA	6.35	386	42
082	Carbitol	.56	34	4
090	Colloids #60	.10	6	
	Water	35.60	2164	260 max
	TOTAL	100.00	6079	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J -2.
2. For PMG, add 6 lbs yellow oxide. (RM Bulletin 190).
3. For summer conditions, add 4 gallons of ethylene glycol and adjust thickener to 26 lbs.

QUALITY CONTROL:

TM-1	Viscosity 150 gm cylinder @ 5 sec	14 - 16 mm
TM-31	Standard Test Viscosity, 150 gm cylinder @ 5 sec., 15 cc per 250 gm paste.	35 - 38 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	JOINT COMPOUND CASEIN BASE	BULLETIN NO: J-6008 DATE: 1/30/70 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: 3P-10 DATE: 4/25/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	65.62	1380	
266	Mineralite 260	2.38	50	
251	Mica P8OF	11.89	250	
045	Asbestos 7RF10	10.46	220	
084	Casein	7.13	150	
025	Ammonium Oxalate	1.04	22	
216	Hydrated Lime	.28	6	
430	Sodium Tripolyphosphate	.48	10	
456	Troysan CMP-10SEP	.24	5	
079	~~Cellosize T JC~~ Methocel 228	.48	10	
	TOTAL		2103	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J-308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 150 cc water	38 - 40 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	JOINT COMPOUND CASEIN BASE	BULLETIN NO: J-6008 DATE: 1/30/70 PAGE: 2 of 2
APPROVALS:	DELANCO	CANCELS: 3P-10 DATE: 4/25/68

PRODUCT SPECIFICATIONS:

Test Method

TM-1	Viscosity 150 gm cylinder @ 5 sec 200 gm to 150 cc water	38 - 40 mm
TM-1A	Viscosity (Mixing water of 150 cc/200 gm) (Sq. T.C., @ 5 rpm, Helipath motor on)	150,000 to 325,000 cps
TM-2	pH (Beckman meter) q	8.3 to 9.3
TM-3	Tape Bond @ 70°F, @ 40-70% R.H.	9 - 10
TM-3	Tape Bond @ 42°F, @ 50-90% R.H.	8 minimum
TM-5	Open Time @ 70°F (minutes)	18 minimum
TM-9	Shrinkage (cup method), maximum	35%
TM-10	Edge Cracking @ 110°F (normal test)	None
TM-12	Grit - percent total	All passing 80 mesh screen 0.05%
TM-16	Rate of Wetting (seconds)	30 maximum
TM-18	Water Resistance (minutes)	1 minimum
TM-25	Normal Application Consistency, cc	76 - 81

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	FINISHING COMPOUND CASEIN BASE	BULLETIN NO.: J 61[illegible] DATE: 2/2/70 PAGE: 1 of [illegible]
APPROVALS: [illegible]	PRODUCING PLANT DELANCO	CANCELS: 3F-[illegible] DATE: 4/25/65

BULLETIN	DESCRIPTION	%	POUNDS	[illegible]
220	Whiting	52.31	110[illegible]	
[illegible]	Asbestos 7TF1	9.51	200	
[illegible]	Mica P 80F	11.89	250	
[illegible]	Asbestos SG 210	1.43	30	
079	~~[illegible]~~ Methocel 228	.48	10	
[illegible]	Sodium Tripolyphosphate	.28	6	
[illegible]	Ammonium Oxalate	.57	12	
456	Troysan CMP 10SEP	.14	3	
084	Casein	4.28	90	
[illegible]	Mineralite 260	19.02	400	
190	Yellow Oxide	.09	2	
	TOTAL	100.00	2103	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 150 cc water	38 - 40 mm
TM-3A	Bond	6 - 7
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to St[illegible]

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	FINISHING COMPOUND CASEIN BAS...	BULLETIN NO: J 6[illegible] DATE: 2/2.70 PAGE: 2 of 2
APPROVALS: [illegible]	DELANCO	CANCELS: 3[illegible]-20 DATE: 4/25/68

PRODUCT SPECIFICATIONS:

Test Method		
TM-1	Viscosity, 150 gm Cylinder @ 5 sec., 200 gm per 150 cc water	38 - 4[illegible] mm
TM-1A	Viscosity, Brookfield, 200 gm per 150 cc water	195,000 to 210,000 cps
TM-2	pH (meter)	8.2 to 9.5
TM-3A	Bond @ 65 - 80°F	6 - 7
TM-4	Slope Checking @ 110°F	Light checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80°F (minutes)	18 minimum
TM-7	Workability	Equal to Standard
TM-9	[illegible]	[illegible] maximum
TM-11	Voids	Equal to Standard
TM-12	Grit (total)	0.05% maximum
TM-14	Foaming (area covered)	50% maximum
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-16	Rate of Wetting (seconds)	30 maximum
TM-25	Normal Application Consistency (cc per 100 grams)	76 to 82

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: J-6368 DATE: 9/22/69 PAGE: 1 of 3
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: 1P-60 DATE: 9/1/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
082	Calcined Gypsum	25.74	500	
251	Mica, P80F	7.72	150	
330	Polyvinyl Alcohol, Coval 9702	.76	15	
045	Asbestos 7RF 10	3.35	65	
325	Polyvinyl Acetate, D702	4.12	80	
279	Natrosol 250 HHXR	.36	7	
430	Sodium Tripolyphosphate (STPP)	.05	1.0	
456	Troysan CMP 10SEP	.08	1.5	
320	Dibutyl Phthalate (Dry liquid			
	Concentrate)	.38	7.5	
332	Potassium Sulphate, K_2SO_4			
	(98% -100 mesh)	.76	10-15	
417	Sodium Citrate (96% -100 mesh)	.05	1.0	
220	Whiting	25.74	500	
186	Hydrite Flat D Clay	5.15	100	
082	Calcined Gypsum	25.74	500	
	TOTAL BATCH WEIGHT	100.00	1943 lbs.	

MANUFACTURING INSTRUCTIONS:

1. A thorough clean-out with whiting must be made before and after each production run.
2. Wall Texture or Joint Compounds are to be run immediately after a run of this product.
3. Mixing time shall be 8 minutes minimum and 12 minutes maximum.
4. Special orders of SLOW SET One Day Joint Compound can be made by reducing the amount of potassium sulfate (Bulletin No. 332) from 10-15 pounds to 2.5 to 5.0 pounds per batch.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: J-6368 DATE: 9/22/69 PAGE: 2 of 3
APPROVALS: BGK EH PJF	DELANCO	CANCELS: 1P-60 DATE: 9/1/68

QUALITY CONTROL:

Test Method

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 120 cc water	38 - 40 mm
TM-1A	Viscosity, Brookfield 200 gm to 120 cc water	188,000 to 220,000 cps
TM-3	Bond @ 70°F and 40°F 50% RH	9 - 10
TM-7	Workability	Equal to Standard
TM-27	Vicat Set Time, 300 gm needle (hrs)	1-1/2 - 2

NOTE: For Slow Set as follows:

Vicat, 11 gm needle (hrs)	2 - 2-1/2
300 gm needle (hrs)	2-1/2 - 3
Δ t (300 m -11 gm)	10 - 30 minutes

SPECIFICATIONS:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 120 cc water	38 - 40 mm
TM-1A	Viscosity, Brookfield 200 gm to 120 cc water	188,000 - 220,000 cps
TM-27	Vicat Set, 300 gm needle	
	(a) Fast Set (hrs) (b) Slow Set (hrs)	1 - 1-1/2
	11 gm needle (hrs) 300 gm needle (hrs)	2 - 2-1/2 2-1/2 - 3
	Δ t (300 gm -11 gm)	10 - 30 minutes
TM-3	Tape Bond @ 70F @ 40-70% RH @ 40F @ 50-90% RH	9 - 10 9 - 10
TM-4	Slope Bond @ 110F	Excellent

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: J-6368 DATE: 9/22/69 PAGE: 3 of 3
APPROVALS:	DELANCO	CANCELS: 1P-60 DATE: 9/1/68

SPECIFICATIONS: (cont.)

TM-9	Cup Shrinkage @ 70F @ the Set @110F (Dry)	2% maximum 6% maximum
TM-10	Edge Cracking @ 110°F (normal test)	None
TM-11	Voids	Equal to Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-21	Reaction to Iodine	Light Red
TM-26	Paste Density (gms/cc)	1.40 - 1.50

NOTE: One batch of One Day Joint Compound shall be used as a standard for a maximum of 6 months. The code of the Standard Batch shall be recorded in laboratory test records.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	ONE DAY JOINT COMPOUND	BULLETIN NO: J-6308 DATE: 1-27-75 PAGE: 1 of 3
APPROVALS:	PRODUCING PLANT: DELANCO	CANCELS: J-6308 DATE: 3-26-74

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
076	Calcined Gypsum	74.93	1500	
417	Sodium Citrate (98% - 100M)	.05	1	
332	Potassium Sulfate (K_2SO_4)			
	(98% - 100M)	0.34	7	
045	Asbestos 7RF10	2.50	50	
245	Methocel 228	0.50	10	
430	Sodium Tripolyphosphate	0.05	1	
252	Mica P65	9.99	200	
453	Preservative	0.05	1	
166	Hemaco 277	0.80	16	
330	Polyvinyl Alcohol	0.80	16	
186	Hydrite Flat D	9.99	200	
	TOTAL	100.00	2002	

MANUFACTURING INSTRUCTIONS:

1. A thorough clean-out with whiting must be made before and after each production run.
2. Wall Texture or Joint Compounds are to be run immediately after a run of this product.
3. Mixing time shall be 8 minutes minimum and 12 minutes maximum.
4. Special orders of SLOW SET One Day Joint Compound can be made by reducing the amount of potassium sulfate (Bulletin No. 332) from 7 pounds to 3 pounds per batch.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 2/3/70 PAGE: 1 of 2
APPROVALS: BJF	PRODUCING PLANT DELANCO	CANCELS: 3P-12 DATE: 4/25/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
050	Asbestos 7TF 1	4.85	150	
079	Cellosize T JC	.39	12	
220	Whiting	35.58	1100	
251	Mica P8OF	8.08	250	
261	Mica, Marvon CEF 2	5.67	175	
186	Clay Hydrite Flat D	1.62	60	
442	Asbestine FT	3.23	100	
456	Troysan CMP 10SEP	.13	4	
130	Ethylene Glycol	.74	23	2.5
098	Daxad 30	.19	6	
470	PVA Emulsion (6.42% solids)	7.18	222	24
	Water	32.34	1000	120
	TOTAL	100.00	3092	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 203.
2. For PMG add 3 lbs. yellow oxide. RM Bulletin No. 190.

QUALITY CONTROL:

TM-1	Viscosity 150 gm cylinder @ 5 sec.	10 - 12 mm
TM-31	Standard Test Viscosity, 150 gm cylinder @ 5 sec, 15 cc per 250 gr paste	35 - 38 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 2/3/70 PAGE: 2 of 2
APPROVALS	DELANCO	CANCELS: NEW DATE:

PRODUCT SPECIFICATIONS:

Test Method		
TM-1	Viscosity Cylinder 150 gm @ 5 sec.	10 to 12 mm
TM-1A	Viscosity, Brookfield, cps	400,000 to 500,000
TM-2	pH (Beckman meter)	7.5 to 9.0
TM-3	Bond @ 70°F & 40-70% RH (peel)	9 to 10
TM-5	Open Time @ 65-80°F (minutes)	15 minimum
TM-5	Open Time @110-110°F (minutes)	4 minimum
TM-6	Application	No lumps
TM-7	Workability (Hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (Cup method)	28% maximum
TM-10	Edge Cracking Test	None
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal to Standard
TM-18	Water Resistance (minutes)	3 minimum

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 11/3/70 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6908 DATE: 4/8/70

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
045	Asbestos 7 RF 10	2.48	75	
252	Mica - P 85	9.88	300	
220	Whiting	44.49	1350	
079	Cellosize T JC	.33	10	
200	Keltose	.16	5	
453	PMA 20SEP	.05	1½	
470	UCAR 131 6.23% PVA	6.36	193	21
078	Carbitol	.49	17	2
090	Colloids #60	.10	3	
	Water	35.66	1082	130 ma:
	TOTAL	100.00	3036.5	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 203.
2. For PMG add 3 lbs. yellow oxide. RM Bulletin No. 190.
3. For summer conditions, add 2 gals of ethylene glycol and adjust Cellosize to 12 lbs.

QUALITY CONTROL:

TM-1	Viscosity 150 gm cylinder @ 5 sec.	14 - 16 mm
TM-31	Standard Test Viscosity, 150 gm cylinder @ 5 sec, 15 cc per 250 gm paste.	35 - 38 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 12/10/71 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6908 DATE: 11/3/70

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
045	Asbestos 7 RF 10	2.48	75	
252	Mica - P 85	9.88	300	
220	Whiting	44.49	1350	
244	Methocel 228	0.33	10	
200	Keltose	0.16	5	
453	PMA 20SEP	0.05	1.5	
470	UCAR 131 6.23% PVA	6.36	193	21
078	Carbitol	0.49	17	2
090	Colloids #60	0.10	3	
	Water	35.66	1082	130 max.
	TOTAL	100.00	3036.5	

MANUFACTURING INSTRUCTIONS

1. See Process Bulletin J-203.
2. For PMG, add 3 lbs. yellow oxide. (RM Bulletin 190)
3. For summer conditions, add 2 gallons of ethylene glycol and adjust Cellosize to 12 lbs.

QUALITY CONTROL

TM-1	Viscosity 150 gm cylinder @ 5 sec.	14 - 16 mm
TM-31	Standard Test Viscosity, 150 gm cylinder @ 5 sec., 15 cc per 250 gm paste.	35 - 38 mm
TM-3	Tape Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6416 DATE: 7/26/72 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6418 DATE: 10/29/71

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	61.24	1250	
251	AMC Mica	12.25	250	
260	Sericite (Narvon)	12.25	250	
045	Asbestos 7RF 10	4.90	100	
186	Hydrite Flat D Clay	4.90	100	
166	Hamaco 277 Gum	2.45	50	
330	Polyvinyl Alcohol	1.47	30	
244	Methocel 228	.48	10	
453	Preservative	.06	1.5	
	TOTAL	100.00	2041.5	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin No.J308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield 200 gm to 140 cc water	160,000 - 190,000 cps
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6418 DATE: 7/26/72 PAGE: 2 of 2
APPROVALS:		CANCELS: J 6418 DATE: 10/29/71

PRODUCT SPECIFICATIONS:

Test Method		
TM-1A	Viscosity, (mixing water of 140 cc/ 200 gm)	160,000-190,000 cps
TM-2	pH (Beckman meter)	8.0-9.2
TM-3A	Bond @ 65-80 F @ 44 F	9 - 10 9 - 10
TM-4	Slope Checking @ 110 F	Lt checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80 F (mins)	15 minimum
TM-7	Workability (Hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	27% maximum
TM-10	Edge Cracking	Equal to Standard
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh.
TM-14	Voids	Equal to Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-18	Water Resistance (seconds)	2 minimum
TM-21	Iodine Test	Light Blue
TM-25	Normal Application Consistency	68 - 72

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6418 DATE: 12/22/72 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6418 and J 6408 DATE: 7/26/72 and 2/3/70

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	58.63	1250	
251	AMC Mica	12.22	250	
260	Sericite (Narvon)	12.22	250	
045	Asbestos 7RF 10	4.89	100	
186	Hydrite Flat D Clay	4.89	100	
166	Hamaco 277	2.44	50	
330	Polyvinyl Alcohol	1.47	50	
244	Methocel 228	.48	10	
453	Preservative	.07	1.5	
164	Glyoxal	.24	5.0	
	TOTAL	100.00	2046.5	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield 200 gm to 140 cc water	160,000 - 190,000 cps
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard
TM-35	0.25% Boric Acid Test	No firm gel after 1 min.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6418 DATE: 12/22/72 PAGE: 2 of 2
APPROVALS:		CANCELS: J 6418 and J 6408 DATE: 7/26/72 2/3/70

PRODUCT SPECIFICATIONS:

Test Method:

TM-1A	Viscosity, (mixing water of 140 cc/ 200 gm)	160,000 - 190,000 cps
TM-2	pH (Beckman meter)	8.0 - 9.2
TM-3A	Bond @ 65-80 F	9 - 10
	@ 44 F	9 - 10
TM-4	Slope Checking @ 110 F	Lt checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80 F (mins)	15 minimum
TM-7	Workability (hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	27% maximum
TM-10	Edge Cracking	Equal to Standard
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-18	Water Resistance (secs)	2 minimum
TM-21	Iodine Test	Light blue
TM-25	Normal Application Consistency	68 - 72
TM-35	0.25% Boric Acid Test	No firm gel after 1 min.

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND STARCH BASE	BULLETIN NO: J-6418 DATE: 10/29/71 PAGE: 1 of 2
APPROVALS: EHT [illegible]	PRODUCING PLANT DELANCO	CANCELS: NEW DATE:

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	67.59	1350	
251	Mica AMC	12.55	250	
442	Asbestine F-T	7.53	150	
045	Asbestos 7RF 10	5.02	100	
434	Starch 50-5453	5.02	100	
084	Casein	1.26	25	
025	Ammonium Oxalate	.30	6	
430	Sodium Tripolyphosphate	.15	3	
244	Methocel 228	.35	7	
453	PMA 20SEP	.08	1.5	
454	Nopco PD #1	.16	3	
	TOTAL	100.00	1995.5	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin No. J 308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield 200 gm to 140 cc water	160,000 - 190,000 cps
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND STARCH BASE	BULLETIN NO: J-6418 DATE: 10/29/71 PAGE: 2 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: NEW DATE:

PRODUCT SPECIFICATIONS:

Test Method		
TM-1A	Viscosity, (mixing water of 140 cc/ 200 gm)	160,000 - 190,000 cps
TM-2	pH (Beckman meter)	8.2 - 9.2
TM-3A	Bond @ 65-80°F @ 40°F	9 - 10 9 - 10
TM-4	Slope Checking @ 110°F	Lt checking on thick end. No fissures or cracks
TM-5	Open Time @ 65 - 80°F (mins)	15 minimum
TM-7	Workability (hand or Ames tools)	Equal to standard
TM-9	Shrinkage (cup method)	27% maximum
TM-10	Edge Cracking	Equal to standard
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal to standard
TM-15	Mixing	Equal to standard (no lumps or dry agglomerates)
TM-18	Water Resistance (seconds)	2 minimum
TM-21	Iodine Test	Light blue
TM-25	Normal Application Consistency	68 - 72

RAW MATERIAL BULLETIN DRYWALL ACCESSORY PRODUCTS	ASBESTOS 7RF10	BULLETIN NO: RM-J045 DATE: 6/20/72 PAGE: 1 of 1
APPROVALS:		CANCELS: RM-J045 DATE: 12/4/69

USES: Joint and Finish Compounds, Texture Paints

APPROVED SOURCE: Philip Carey

ALTERNATE SOURCE *: Johns-Manville

SPECIFICATIONS:

1.	Mixing Water Requirement	480 to 550
2.	Free moisture (200°F)	2.0%
3.	Color	Light Gray
4.	Grit	0.05% maximum. All passing 80 mesh screen
5.	Calcium carbonate (CO_2 method)	1.0% maximum
6.	Canadian screen	0.0-0.0-0.0-16.0
7.	pH (10% dispersion)	7-8
8.	Wet bulking	250-350

The following information is for Kaiser Gypsum Company personnel only:

Testing Schedule: Take a minimum of one 1/2 pound sample from each pallet in shipment, with a maximum of 20 samples. Test two random samples for grit and wet bulking. Test 10 samples for mixing water requirements. Retain a representative sample from each shipment for one year.

SAFETY: Employees should wear respirators when handling, weighing and batching asbestos.

* Use Alternate Source in emergency only due to color. For regular use, Alternate Source must be rechecked by Research and "approved."

RAW MATERIAL BULLETIN DRYWALL ACCESSORY PRODUCTS	ASBESTOS 7TF1	BULLETIN NO: RM-J050 DATE: 6/20/72 PAGE: 1 of 1
APPROVALS:		CANCELS: RM-J050 DATE: 1/26/71

USES: Joint and Finish Compounds, Texture Paints

APPROVED SOURCE: Philip Carey

ALTERNATE SOURCE *: Johns-Manville

SPECIFICATIONS:

1.	Mixing Water Requirement	330 to 370
2.	Free moisture (200°F)	2.0% maximum
3.	Color	Light Gray
4.	Grit	0.05% maximum. All passing 80 mesh screen
5.	Calcium carbonate (CO_2 method)	1.0% maximum
6.	Canadian screen	0.0-0.0-0.0-16.0
7.	pH (10% dispersion)	7.5-8.5
8.	Wet bulking	100-130

The following information is for Kaiser Gypsum Company personnel only:

Testing Schedule: Take a minimum of one 1/2 pound sample from each pallet in shipment, with a maximum of 20 samples. Test two random samples for grit and wet bulking. Test 10 samples for mixing water requirements. Retain a representative sample from each shipment for one year.

SAFETY: Employees should wear respirators when handling, weighing and batching asbestos.

* Use Alternate Source in emergency only due to color. For regular use, Alternate Source must be rechecked by Research and "approved."

RAW MATERIAL BULLETIN DRYWALL ACCESSORY PRODUCTS	ASBESTOS SG 210	BULLETIN NO: RMJ-047 DATE: 6/20/72 PAGE: 1 of 1
APPROVALS:		CANCELS: RM-J2D DATE: 9/15/69

APPROVED SOURCES: Union Carbide (SG-210)

SPECIFICATIONS:

1.	Magnetite (%)	2.5 maximum
2.	Reflectance, G. E. Photovolt (%)	68.0 minimum
3.	Dry Bulk Density, lbs/cu.ft.	5-6
4.	Wet Screen, Retain on	
	80 mesh (%)	0.8 maximum
	325 mesh	15.0 maximum

WARNING

Employees should wear respirators when handling, weighing and batching asbestos.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: 3P-12 DATE: (4/25/68) PAGE: 1 of 4 CANCELS: NEW DATE:

PRODUCING PLANT: Delanco

FORMULA:

	ITEM	AMOUNT PER BATCH	BULLETIN
1.	Asbestos 7TF1	150.0 lbs.	RM-J2A
2.	Methocel 228	12.0 lbs.	RM-J26B
3.	Marblewhite 325	1100.0 lbs.	RM-J17
4.	Mica, P80F	250.0 lbs.	RM-J7B
5.	Sericite, Marvon CEF2	175.0 lbs.	RM-J9
6.	Hydrite Clay	50.0 lbs.	RM-J4A
7.	Asbestine FT	100.0 lbs.	RM-J11A
8.	Yellow Oxide	0.0 to 3.0 lbs.	RM-J5
9.	Troysan CMP-10SEP	3.0 lbs.	RM-J10B
	Dry blending time shall be 8 minutes minimum and 12 minutes maximum.		
10.	Water (maximum)	140 lbs.	
11.	Ethylene Glycol	0 to 2 gals.	RM-J21
12.	Daxad 30 (dispersant)	1200 to 2400 cc.	RM-J35
13.	PVAc Emulsion (Union Carbide WC-130)	24 gals.	RM-J25
14.	Defoamer (liquid)	0 to 3 lbs.	RM-J15
15.	Dibutyphthalate	0 to 10 lbs.	RM-J24

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE JOINT COMPOUND (CASEIN BASE)	BULLETIN NO: 3P-15 DATE: (12/3/68) PAGE: 1 of 2 CANCELS: NEW DATE:

PRODUCING PLANT: Delanco

FORMULA:

	Item	Amount per Batch	Bulletin
1.	Mica, P8OF	250.0 lbs.	RM-J7B
2.	Asbestos, Type 7TF1	230.0 lbs.	RM-J2A
3.	Methocel 228	7.0 lbs.	RM-J26B
4.	Ammonium Oxalate	8.0 lbs.	RM-J1
5.	Sodium Tripolyphosphate	4.0 lbs.	RM-J19
6.	Casein, 2% Surfactol	100.0 lbs.	RM-J3
7.	Sericite, Narvon CEF 2	400.0 lbs.	RM-J9
8.	Titanium Pigment	0 to 50.0 lbs.	RM-J14
9.	Troysan CMP-10SEP	3.5 lbs.	RM-J10B
10.	Talc, Asbestine FT	100.0 lbs.	RM-J11A
11.	Marblewhite 325	1000.0 lbs.	RM-J17
12.	Petro AA	1.0 lbs.	-
	Total Batch Weight	2103.5 lbs.	

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE JOINT COMPOUND	BULLETIN NO: J 640S DATE: 2/3/70 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: 3P-15 DATE: 4/25/68

BULLETIN	DESCRIPTION	%	POUNDS	GALLONS
220	Whiting	52.12	1100	1200
050	Asbestos 7TF1	9.47	200	100
251	Mica, P80F	11.84	250	
047	Asbestos SG 210	1.42	30	100
280	Natrosol 16A	.47	10	8
430	Sodium Tripolyphosphate	.28	6	
025	Ammonium Oxalate	.57	12	
456	Troysan CMP-10SEP	.14	3	
084	Casein	4.74	100	
266	Mineralite 260	18.95	400	
	TOTAL	100.00	2111	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin No. J 30S.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 150 cc water	38 - 40 mm
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE JOINT COMPOUND	BULLETIN NO: J 6408 DATE: 2/3/70 PAGE: 2 of 2
APPROVALS:	DELANCO -	CANCELS: DATE:

PRODUCT SPECIFICATIONS:

Test Method		
TM-1	Viscosity 150 gm cylinder @ 5 sec.	38 - 40 mm
TM-1A	Viscosity (mixing water of 142 cc/ 200 gm)	150,000 to 275,000 cps
TM-2	pH (Beckman meter)	8.2 - 9.2
TM-3A	Bond @ 65-80°F	9 - 10
TM-4	Slope Checking @ 110°F	Light checking on thick end. No fissures or cracks.
TM-5	Open Time @65-80F (minutes)	15 minimum
TM-7	Workability (Hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	27% maximum
TM-11	Foaming (area covered)	50% maximum
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal to Standard
TM-15	Mixing	Equal to Standard (No lumps or dry agglomerates)
TM-16	Rate of Wetting (seconds)	30 maximum
TM-18	Water Resistance (seconds)	2 minimum
TM-25	Normal Application Consistency	74 - 80

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	FINISHING COMPOUND CASEIN BASE	BULLETIN NO: J 6103 DATE: 2/2/70 PAGE: 1 of [illegible]
APPROVALS: [illegible]	PRODUCING PLANT DELANCO	CANCELS: 3T-20 DATE: 4/25/68

BULLETIN	DESCRIPTION	%	POUNDS	[illegible]
220	Whiting	52.31	110[illegible]	
[illegible]	Asbestos TTF1	9.51	200	
[illegible]	Mica P 80F	11.89	250	
[illegible]	Asbestos SG 210	1.43	30	
079	~~[illegible]~~ Methoal 228	.48	10	
[illegible]	Sodium Tripolyphosphate	.28	6	
025	Ammonium Oxalate	.57	12	
456	Troysan CMP 10SEP	.14	3	
034	Casein	4.28	90	
26[illegible]	Mineralite 260	19.02	400	
190	Yellow Oxide	.09	2	
	TOTAL	100.00	2103	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, 150 gm cylinder @ 5 sec. 200 gm to 150 cc water	38 - 40 mm
TM-3A	Bond	6 - 7
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	FINISHING COMPOUND CASEIN BASE	BULLETIN NO: J 6[illegible] DATE: 2/2/70 PAGE: 2 of 2
APPROVALS: [illegible]	DELANCO	CANCELS: 3[illegible]-20 DATE: 4/25/65

PRODUCT SPECIFICATIONS:

Test Method		
TM-1	Viscosity, 150 gm Cylinder @ 5 sec. 200 gm per 150 cc water	38 - 4[illegible] mm
TM-1A	Viscosity, Brookfield, 200 gm per 150 cc water	195,000 to 2[illegible]0,000 cp.
TM-2	pH (meter)	8.2 to 9.5
TM-3A	Bond @ 65 - 80°F	6 - 7
TM-4	Slope Checking @ 110°F	Light checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80°F (minutes)	18 minimum
TM-7	Workability	Equal to Standard
TM-9	Shrinkage (one method)	[illegible]% maximum
TM-11	Voids	Equal to Standard
TM-12	Grit (total)	0.05% maximum
TM-14	Foaming (area covered)	50% maximum
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates)
TM-16	Rate of Wetting (seconds)	30 maximum
TM-25	Normal Application Consistency (cc per 100 grams)	76 to 82

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PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6416 DATE: 2/28/73 PAGE: 1 of 2
APPROVALS:	PRODUCING PLANT DELANCO	CANCELS: J 6418 DATE: 12/22/72

BULLETIN	DESCRIPTION	%	POUNDS	GALL
220	Whiting	60.95	1250	
251	AMC Mica	12.20	250	
260	Sericite (Narvon)	12.20	250	
045	Asbestos 7RF 10	4.88	100	
186	Hydrite Flat D Clay	4.88	100	
166	Hemaco 277	2.44	50	
330	Polyvinyl Alcohol	1.47	30	
244	Thickener	.48	10	
453	Preservative	.07	1.5	
164	Glyoxal	.24	5.0	
454	Nopco-PD1	.15	3.0	
	TOTAL	100.00	2049.5	

MANUFACTURING INSTRUCTIONS:

1. See Process Bulletin J 308.
2. Mixing time shall be 8 minutes minimum and 12 minutes maximum.

QUALITY CONTROL:

TM-1	Viscosity, Brookfield 200 gm to 140 cc water	160,000 - 190,000 cps
TM-3	Bond	9 - 10
TM-6	Application	Equal to Standard
TM-7	Workability	Equal to Standard
TM-35	0.25% Boric Acid Test	No firm gel after 1 mi

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	3-PURPOSE COMPOUND (POLYMERIC BASE)	BULLETIN NO: J 6418 DATE: 12/22/72 PAGE: 2 of 2
APPROVALS:		CANCELS: J 6418 and J 6408 DATE: 7/26/72 2/3/70

PRODUCT SPECIFICATIONS:

Test Method:

TM-1A	Viscosity, (mixing water of 140 cc/ 200 gm)	160,000 - 190,000 cps
TM-2	pH (Beckman meter)	8.0 - 9.2
TM-3A	Bond @ 65-80 F	9 - 10
	@ 44 F	9 - 10
TM-4	Slope Checking @ 110 F	Lt checking on thick end. No fissures or cracks.
TM-5	Open Time @ 65-80 F (mins)	15 minimum
TM-7	Workability (hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	27% maximum
TM-10	Edge Cracking	Equal to Standard
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal Standard
TM-15	Mixing	Equal to Standard (no lumps or dry agglomerates
TM-18	Water Resistance (secs)	2 minimum
TM-21	Iodine Test	Light blue
TM-25	Normal Application Consistency	68 - 72
TM-35	0.25% Boric Acid Test	No firm gel after 1 min.

RAW MATERIAL BULLETIN DRYWALL ACCESSORY PRODUCTS	ASBESTOS FLOATS 7TF1	BULLETIN NO: RM-J 050 DATE: 12/9/69 PAGE: 1 of 1
APPROVALS: DBK PJF		CANCELS: NEW DATE:

USES: Joint and Finish Compounds, Texture Paints

APPROVED SOURCE: Johns Manville (7TF1)
PHILIP CAREY (7TF12)

SPECIFICATIONS:

1.	Mixing Water Requirement	330 to 370
2.	Free Moisture (200°F)	2.0% maximum
3.	Color	Light Gray
4.	Grit	0.05% maximum. All passing 80 mesh screen
5.	Calcium carbonate (CO_2 method)	1.0% maximum
6.	Canadian screen	0.0-0.0-0.0-16.0
7.	pH (10% Dispersion)	7.5 - 8.5
8.	Wet Bulking	110 - 130

The following information is for Kaiser Gypsum Company personnel only:

Testing Schedule: Take a minimum of one 1/2 pound sample from each pallet in shipment, with a maximum of 20 samples. Test two random samples for grit and wet bulking. Test 10 samples for mixing water requirements. Retain a representative sample from each shipment for one year.

SAFETY: Employees should wear respirators when handling, weighing and batching asbestos.

PRODUCT BULLETIN DRYWALL ACCESSORY PRODUCTS	PREMIX JOINT COMPOUND DUAL PURPOSE VINYL BASE	BULLETIN NO: J 6908 DATE: 11/3/70 PAGE: 2 of 2
APPROVALS:	DELANCO	CANCELS: J 6908 DATE: 2/3/70

PRODUCT SPECIFICATIONS:

Test Method

TM-1	Viscosity Cylinder 150 gm @ 5 sec.	14 - 16 mm
TM-1A	Viscosity, Brookfield, cps	340,000 to 375,000
TM-2	pH (Beckman meter)	7.5 to 9.0
TM-3	Bond @ 70°F & 40-70% RH (peel)	9 - 10
TM-5	Open Time @ 65-80°F (minutes)	15 minimum
TM-5	Open Time @100-110°F (minutes)	4 minimum
TM-6	Application	No lumps
TM-7	Workability (hand or Ames tools)	Equal to Standard
TM-9	Shrinkage (cup method)	28% maximum
TM-10	Edge Cracking Test	None
TM-12	Grit (total)	0.05% maximum. All passing 80 mesh
TM-14	Voids	Equal to Standard
TM-18	Water Resistance (minutes)	3 minimum