

BOARD BULLETIN
INSULATION PRODUCTS
ST. HELENS, OREGON

MINERAL
FIBERBOARD
UL FIRE RATED

APPROVALS
JED 12/11/77

BULLETIN NO: B-10

DATE: 6/17

PAGE: 1 of

CANCEL: B-10

DATE: 6/22

	Tile and Lay-In	
	1/2"	5/8"
Mineral Wool, %	59.7	59.7
Sterling Clay, %	11.5	11.5
Asbestos, %	1.6	1.6
Sawdust Fiber, %	1.1	1.1
Starch (BD), %	8.5	8.5
Paracol 1276 (Solid), %	1.0	1.0
Repulped Broke & Planer Dust, %	16.6	16.6
Gendriv 162, %	0.15	0.15
Standard Machine Speed, FPM	21	19
Density, Planed, Lbs/Cu. Ft., (BD)	22-23	22-23
Transverse Comp. Headrig, Lbs., Minimum	25	31
Hardness, Planed, Lbs., Minimum	33	33
Shrinkage at 1400 F., %, Maximum	3	3
Incombustibles, %, Minimum	85	85
Water Absorption, % By Volume, Maximum	5	5
Sag at 1700°F., %, Maximum	0.100	0.100
Headrig Thickness, Inches	.630-.660	.740-.77
Planed Thickness, Inches	.525-.530	.650-.66
Calender Thickness, Inches		
Individual	.495-.500	.615-.62
Tape Measure, 10 pieces	4-7/8 - 5	6-3/16 - 6-1/4
Weight, Headrig, Lbs/MSF	1210	1420
Weight, Finished, Lbs/MSF	990	1225

PRODUCT BULLETIN
GYPSUM PRODUCTS

GYPSUM WALLBOARD
1/2" NULL-A-FIRE (UL)
TYPE X

BULLETIN NO: B-4
DATE: 10/8/64
PAGE: 1 of 2
CANCELS: B-4
DATE: 3/9/64

PRODUCING PLANTS:

Long Beach, Antioch, Seattle, Rosario, and Jacksonville

Core Formula:
(Lbs./M sq.ft.)

ALL PLANTS (Except as noted)

Board Stucco	(S-1 and S-2)	1500 - 1700
Glass Fiber	(B-G-1)	4.7 - 5.1
Paper Fiber	(B-G-1)	0 - 10.0
Starch	(RM-B-11)	7 - 10
Perlite - Null-A-Fire (c.f./M)	(B-G-1)	0 - 5.5
Soap	(B-G-1)	0.2 - 1.5 (Long Beach, Antioch & Jacksonville 0.2 - 0.7)
Lignin	(B-G-1)	0 - 3.0
Ground Gypsum	(B-G-1)	60 maximum
Potassium Sulfate (Rosario - 2.0 maximum)	(B-G-1)	5.0 "
Rehydrated Gypsum	(B-G-1)	0 - 30
Hydrated Lime	(RM-P-3)	0 - 0.75
Retarder (Rosario only)	(B-G-1)	0 - 0.5

Note: Formula shall conform to U.L. Code No. 3543

Paper Liners - Manila and Grayback paper

OPERATING SPECIFICATIONS: (Refer to Process Bulletin B-G-2 for General Specifications.)

1. Slurry Setting Time, minutes	2 - 4
2. Wet Slurry Weight (lbs./c.f.)	77 - 85
3. Wet Compressive Strength, psi	350 - 500

PRODUCT BULLETIN
GYPSUM PRODUCTS

GYPSUM WALLBOARD
1/2" NULL-A-FIRE (NL)

BULLETIN NO: B-4
DATE: 1/27/52
PAGE: 2 of 2
CANCELS: B-4
DATE: 10/20/50

PRODUCT SPECIFICATIONS: (Refer to Product Bulletin B-G-4 for General Specifications)

Wat Weight (lbs./M sq.ft.)	3000 - 3300
Dry Weight (lbs./M sq.ft.)	2120 - 2250 - Average 2175
Evaporation Loss (lbs./M sq.ft.)	900 - 1100
Thickness - Average (inch)	.480 - .505
" - Individual Reading (inch)	± 0.0 from average
Edge Hardness or Take-off (lb.)	8 G minimum
End Peel after Sawing (inch)	1/8 maximum
Flexural Strength, minimum	
Across grain (lb.)	150
Parallel "	45
Deflection at Break, minimum	
Across grain (inch)	0.25
Parallel "	0.15
Punch Test (lb.)	1100 - 1800
Twist Test, maximum split	
Face (inch)	3/4
Back "	3/4
Hammer Loss Test, decigrams	
Individual Test, maximum	5
Bond at High Humidity, maximum peel	
Face (inch)	1/2
Back "	1/2

Face printing shall read - 1/2" NULL-A-FIRE TYPE X X 1/2" NULL-A-FIRE TYPE X

*Denotes addition or change.

PRODUCT BULLETIN
GYPSUM PRODUCTS

GYPSUM WALLBOARD
5/8" NULL-A-FIRE (UL)
* TYPE X

BULLETIN NO: 8-6
DATE: 4/29/
PAGE: 1 of 3
CANCELS: 8-6
DATE: 8/8/6

PRODUCING PLANTS:

LONG BEACH, ANTIOCH, SEATTLE, ROSARIO

Core Formula:
(Lbs./M sq. ft.)

ALL PLANTS (Except as noted) ANTIOCH

Board Stucco	(S-1 and S-2) (Rosario -	1900 - 2150 1960 - 2175)	1850 - 2150
Glass Fiber	(B-G-1)	6.0 - 6.5	6.0 - 6.5
Paper Fiber	(B-G-1)	0 - 12.0	None
Starch	(RM-B-11)	9.0 - 12.5	9.0 - 15.0
Perlite Null-A-Fire (c.f./M)	(B-G-1)	6.0 - 7.0	6.0 - 7.0
*Soap	(B-G-1) (Rosario -	0.3 - 1.5 0.6 - 2.0)	2.0 - 3.5
Lignin	(B-G-1)	0 - 4.0	0 - 4.0
Ground Gypsum	(B-G-1) (Rosario -	60.0 maximum None)	130.0 maximum
Rehydrated Gypsum	(B-G-1)	0 - 24	None
Potassium Sulfate	(B-G-1)	2.0 maximum	2.0 maximum
Retarder (Rosario only)	(B-G-1)	0.75 "	--
Hydrated Lime	(RM-P-3)	0 - 1.13	0 - 1.13

*Note 1. Formula shall conform to U.L. Code No. 3543.

*Note 2. At Antioch, Hercules soap is preferred. Ultrawet usage range - 0.2 - 0.6.

Paper Liners

1. Manila and greyback paper.
2. For 5/8" x 24" face board for Moveable Partitions, use following width paper:

Manila - 27 inches

Greyback - 23-1/4 inches

*Denotes additions and changes.