PRODUCT BULLETIN GYPSUM PRODUCTS	GYPSUM WALLBOARD 1/2" MOISTURE GUARD Type X	BULLETIN NO: B-40A DATE: 7/1/70 PAGE: 1 of 3
APPROVALS:	A.S.T.M. C-630	CANCELS: B-40A DATE: 10/22/64

PRODUCING PLANT: Long Beach, Antioch, Seattle, Rosario, Delanco, Jacksonville

CORE FORMULA: (lbs/MSF)

Board Stucco	(S-1,S-2)	1350-1550
Paper Fiber	(B-G-1)	0-17
Glass Fiber	(B-G-1)	3-8-4.2
Starch	(RM-B11A	7-10
Vermiculite Ore	(RM-B28)	70-75
ALS or AAS	(B-G-1)	0-1.5
Lignin	(B-G-1)	4.5-5.5
End Trim	(B-G-1)	0-40
Potassium Sulfate (in solution)	(B-G-1)	5.5-6.5
Asphalt-Wax Emulsion (Gallons/MSF)	(RM-B2A)	11-18

Note: Rotate inventory of asphalt-wax emulsion. Do not use emulsion over 30 days old without pre-testing on the board line.

PAPER LINERS:

Face Paper: Green colored Manila 50-1/2" wide (RM-B-1 A, B, C)

Back Paper: Moisture Guard Gray Paper 47-1/4" wide (RM-B-1, A, B, C)

OPERATING SPECIFICATIONS: (Refer to Product Bulletin B-G-a for General Specification)

1. Slurry Slump, inches 4-1/2 - 7
2. Slurry Setting Time, minutes 2 - 4

KG2001012

OPERATING SPECIFICATIONS (Continued)

3. Wet Slurry Weight, Lbs./C.F.	75-85
4. Wet Compressive Strength, psi	200-400
5. Moisture Content at Take-Off (prong type meter), percent	15-20

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

Wet Weight, Lbs/MSF	3050-3350
Dry Weight, Lbs/MSF	2000-2250 Average 2150
Evaporation Loss, Lbs/MSF	1050-1150
Thickness, Average (inch)	0.484 - 0.505 - Average 0.490
Thickness, Individual Reading (inch)	±0.0101 from Average
Edges	Tapered
Edge Hardness @ Take-Off, max. (inch)	10 minimum, 18 maximum, 13 average
End Peel After Sawing, Maximum (inch)	1/8
Flexuran Strength, minimum	
Across Grain, lbs.	140
Parallel "	50
Deflection at Break, minimum	
Across Grain, inch	0.30
Parallel "	0.20
Punch Test, Lbs.	700-900
Twist Test, maximum split	
Face, inch	1/2
Back, inch	1/2

PRODUCT SPECIFICATIONS (continued)

Hammer Loss, desigrams	
Individual Test, maximum	7.5
Bond @ High Humidity, maximum peel	
Face, inch	1/2
Back, inch	1/2
Water Immersion Test, 2 Hours,	
Weight Gain, percent, Max.	5.0
(Water immersion test is made according to the procedure specified in A.S.T.M. C-473)	
Surface Water absorption Test	
Weight Gain after 2 hours, percent, Max.	1.0
Cobb Test per A.S.T.M. C-630	

Face Printing shall read:

1/2" Mull-A-Fire Type X Moisture Guard

Note: Do Not use U.L. Bundling Tape on 1/2" Type X Moisture Guard