PRODUCT BULLETIN GYPSUM PRODUCTS	GYPSUM WALLBOARD 1/2" MOISTURE GUARD	BULLETIN NO: B-40 DATE: 7/1/70 PAGE: 1 of 3
APPROVALS:	A.S.T.M. C-630	CANCELS: B-40 DATE: 4/13/67

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

CORE FORMULA: (lbs/MSF

Board Stucco	(S-1, S-2)		1400/1600
Paper Fiber	(B-G-1)	13/17	
Starch	(RM-B11A)	7/10	
Core Foaming Agent			
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)	17-18	

Note: Rotate inventory of asphalt-wax emulsion. Do not use emulsion over 30 days old without pre-testing on the board line. Potassium Sulfate must be fed in a water solution form, for best results.

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-2 for General Specifications)

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

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	2000-2200 Average 2100
Evaporation Loss, Lbs/MSF	1050-1150
Thickness, Average (inch)	0.484 - 0.505 Average 0.490
Thickness, Individual Reading (inch)	±0.010 from avg.
Edges	Tapered
Edge Hardness @ Take-Off, min. (Lbs.)	10 min., 18 max., 14 average
End Peel After Sawing, max. (inch)	1/8
Flexural 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, decigrams Individual Test, maximum	7.5
Bond @ High Humidity, maximum peel Face, inch Back, inch	 1/2 1/2
Water Immersion Test, 2 Hours, percent, Max. Weight Gain (Water immersion test is made according to the procedure specified in A.S.T.M. C473)	5
Surface Water absorption test Weight gain after two hours, percent, Max. Cobb Test per A.S.T.M. C-630	1.0

Face Printing shall read:

1/2" 1/2" Moisture Guard 1/2" Moisture Guard