

JUDAH GLASS MAT®

Product Characteristics

Properties	1/2" Board Type X ⁶	5/8" Board Type X ⁶
Width, ft (mm)	4' (1200)	4' (1200)
Lengths ¹ , ft (mm)	8' (2400) 10' (3000)	8' (2400) 10' (3000)
Weight ⁴ , lbs/ft ² (kg/m ²)	2.19 (10.7)	2.68 (13.1)
Edge Types	Square / Tapered	Square / Tapered
Flexural Breaking Load Strength ^{2,4}	Exceeds minimum code requirement	Exceeds minimum code requirement
Hardness ^{2,4} (Core / End / Edge)	Exceeds minimum code requirement	Exceeds minimum code requirement
Humidified Deflection ^{2,4} , in (mm)	<1/4" (6mm)	<1/8" (3mm)
Nail Pull Resistance ^{2,4}	Exceeds minimum code requirement	Exceeds minimum code requirement
Mold resistance rating ³ , <i>nil score</i>	10	10
Water absorption % by weight ⁴	≤ 5%	≤ 5%
R Value, ft ² •°F•hr/BTU (m ² •K/W)	.40 (.07)	.51 (.09)
Surface Burning Characteristics ⁵ <i>Flame Spread / Smoke Developed</i>	0/0 Class A	0/0 Class A

1 - Custom lengths available upon request

2 - ASTM C1396

3 - ASTM D3273-94

4 - ASTM 473

5 - ASTM E84

6 - ASTM C 1177/ C 1177 M

Submittal Approvals



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Product Description

Judah Glass Mat® gypsum plasterboard offers high quality properties of mold and mildew resistance, non-combustibility, fire resistance and mechanical stability that makes it suitable for screw-fastening to drywall structures in steel as well as in wooden sections. It is encased in a heavy specially treated, blue colored glass mat liner on the face side and grey colored glass mat liner on the back side. The face glass mat liner is folded around the square long edges (on the face side only) to reinforce and protect the core and cross ends are square cut.

Product Applications

Judah Glass Mat® plasterboard is the ideal product for interior and external use, especially under exterior cladding and tile backer board in wet areas. Its surface is suitable to receive tile, marble, rendering, or EIFS. The gypsum core offers no support for combustion and temperature is kept under control until entirely calcined. It offers highly prolonged measurable fire-resistance of drywall systems. The addition of glass fibers and the special additives in the board improve the cohesive and fire integrity properties providing greater fire resistance. It contributes to higher sound reduction in acoustic systems due to the increase in the mass of the board as comparison to regular gypsum boards. It offers high weather resistance due to the moisture resistant core and water repellent glass mat.

Safety & Handling - CAUTION

FIRE SAFETY: Surface burning in accordance with ASTM E84 gives flame spread < 25, no smoke. Class A.

HEALTH AND SAFETY: Judah Glass Mat® is free from asbestos and strontium sulphide. This product does contain fiberglass which may cause irritations to skin, eyes, lungs, or other exposed areas during handling or installation whether in board or particulate form. Use precaution and wear appropriate clothing with long sleeves, pants, eye protection, and breathing masks at your own discretion.

Limitations

It is recommended to avoid constant or ongoing exposure to moisture for Judah Glass Mat® plasterboards. This product is not designed for water immersion or below-grade installation.

