MAXTERRA™

MgO Fire- And Water-Resistant Backer Board

The Product

MAXTERRA™ MgO Fire- and Water-Resistant Backer Board panels are high density structurally rated magnesium oxide products that utilize a Magnesium Oxysulfate cement technology, which is reinforced with integrated layers of high-strength fiberglass mesh.

Uses

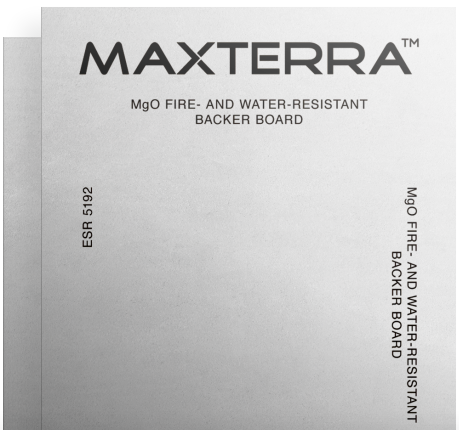
MAXTERRA™ MgO Fire- and Water-Resistant Backer Board panels can be used as a direct replacement for: conventional Portland Cement backer board panels. The product is rated to resist uniform loads ≥ 5 psf in accordance with Section 1607.16 of the 2021 IBC (Section1607.15 of the 2018 IBC and Section 1607.14 of the 2015 IBC) as well as the deflection limit of L/360 outlined in Table 1604.3 of the IBC and Table R301.7 of the IRC.

The product has been evaluated by The International Code Council Evaluation Service (ICC-ES) for use in various interior substrate applications (see ESR-5192).

Panel Dimensions	
Available Thicknesses	1/4-inch (6 mm) 3/8-inch (9 mm) 1/2-inch (12 mm) 5/8-inch (16 mm)
Available Dimensions	3 feet x 5 feet 4 feet x 8 feet
Product Weight	1/4-inch (6 mm): 1.22 lb/sqft 3/8-inch (9 mm): 1.81 lb/sqft 1/2-inch (12 mm): 2.41 lb/sqft 5/8-inch (16 mm): 3.22 lb/sqft
Edge Treatments	Straight / Square Edge Tapered Edge

Installation instructions are available at www.nexgenbp.com/resources

Or scan the QR code.



Performance Characteristics	
Nail Head Pull-Through (ANSI A118.9)	≥ 90 lbf (saturated / wet test condition)
Surface Burning Characteristics (ASTM E84 / UL 723)	Flame Spread Index: 0 Smoke Developed Index: 0
Mold / Mildew Resistance (ASTM G21)	"0 Growth Observed"
Humidified Deflection (ASTM C473)	Less than 0.06 inches
Freeze / Thaw Resistance (ASTM C666)	No Disintegration Following 25 Cycles
Falling Ball Impact Test (ASTM D1037)	No Damage (12-inch drop)
Flexural Strength (ANSI A118.9)	≥ 750 psi
Compression Indentation (ASTM D2394)	Less than 0.05 inches
Shear Bond Strength (ANSI A118.1)	≥ 50 psi Dry-set Mortar (thin-set)
Shear Bond Strength (ANSI A118.4)	≥ 50 psi Latex Modified Dry-set Mortar (thin-set)
ICC-ES Acceptance Criteria	Product has been evaluated for compliance to the following ICC-ES Acceptance Criteria: AC386, AC376, and AC378

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