MAXTERRA®

MgO Non-Combustible Single Layer Structural Floor Panels

The Product

MAXTERRA® MgO Non-Combustible Single Layer Structural Floor 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.

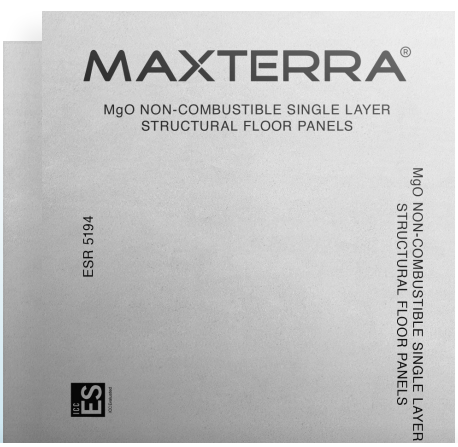
Uses

MAXTERRA® MgO Non-Combustible Single Layer Structural Floor Panels can be used as a direct replacement for: plywood and OSB subflooring panels as well as gypsum cement underlayment. The product is rated for single floor use under the IBC and combination subfloor underlayment use under the IRC.

The product is listed by UL and has been evaluated by The International Code Council Evaluation Service (ICC-ES) for use in all construction types (I-V) in structural applications **(see ESR-5194 for more information on certified performance attributes and code compliance).**

Panel Dimensions	
Available Thicknesses	3/4-inch (20 mm)
Available Lengths	8 feet 10 feet
Available Widths	4 feet
Product Weight	4.92 lb/sqft
Edge Treatments	Tongue and Groove

Installation instructions are available at www.nexgenbp.com/resources
Or scan the QR code.



Performance Characteristics	
Non-Combustibility Test (ASTM E136)	Non-Combustible
Surface Burning Characteristics (ASTM E84 / UL 723)	Flame Spread Index: 0 Smoke Developed Index: 0
Mold / Mildew Resistance (ASTM G21)	"0 Growth Observed"
Concentrated Load Testing (ASTM E661)	≥ 1000lbs (1-inch disc, 24-inch joist spacing)
Flexural Strength (ASTM C1185)	3343 psi
Nail-Head Pull Through, wet condition (ASTM D1037)	836 lbf
Diaphragm Performance (ASTM E455, AISI S907)	See ESR-5194
Compression Indentation (ASTM D2394)	Less than 0.02 inches (1-inch disc; 1250 psi applied load)
Allowable Uniform Load (ASTM E661)	133 psf L/600 deflection limit (24-inch joist spacing)
Rated Floor / Ceiling Assemblies (ASTM E119 / UL 263)	Evaluated for performance in One-Hour and Two-Hour rated assemblies
STC / IIC Acoustic Performance (ASTM E90 and ASTM E492)	See ESL-1645
ICC-ES Acceptance Criteria	Product has been evaluated for compliance to the following ICC-ES Acceptance Criteria: AC386, AC318, AC319, AC367, AC376, and AC378.

Contact us to find a Distributor or Representative near you.
www.nexgenbp.com

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