

# 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 gypcrete underlayment. The product is rated for single floor use under the IBC and combination subfloor underlayment use under the IRC.

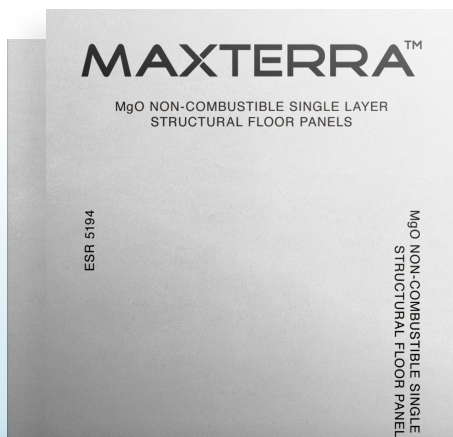
The product has been evaluated by The International Code Council Evaluation Service (ICC-ES) for use in all construction types (I-V) in structural applications (see ESR-5194).

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 Square Edge

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; 1-inch disc (ASTM E661)	≥ 550lbs
Freeze / Thaw Resistance (ASTM C666)	No Disintegration Following 25 Cycles
Falling Ball Impact Test (ASTM D1037)	No Damage (12-inch drop)
Water Vapor Transmission (ASTM E96)*	≥ 13 Perms (Method B; Wet Cup) ≥ 5 Perms (Method A; Dry Cup)
Compression Indentation (ASTM D2394)	Less than 0.05 inches
Shear Bond Strength (ANSI A118.1)	≥ 50 psi Dry-set Mortar (thin-set)
Compression Indentation (ASTM D2394)	≥ 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, AC318, AC367, AC376, and AC378



Installation instructions are available at [www.nexgenbp.com/resources](http://www.nexgenbp.com/resources)  
Or scan the QR code.



Contact us to find a Distributor or Representative near you.  
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