

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels Submittal Form

Submitted To

Project Name

Project Number

Prepared By

Date

Status / Action

For Review

For Record

For Approval

For Information Only

■ Submittal Type (check all that apply)

TDS

3-Part Specs

Certification Report ICC-ESR 5192 (IBC / IRC Code Compliance)

Certification Report ICC-ESL 1645 (Acoustic Assemblies)

Fire Assembly

UL L501 - 1hr (EJ)

UL L504 - 1hr (EJ)

UL L525 - 1hr (EJ)

UL L534 - 1hr (EJ)

UL L570 - 1hr (EJ)

UL L602 - 1hr (EJ)

UL M500 - 2hr (EJ)

Material Safety Data Sheet (MSDS)

LEED Guide

Installation Guide

Warranty

Samples

Other:

Product

1/2-in (12mm)

5/8-in (16mm)

What Is MAXTERRA® MgO Fire- And Water-Resistant Underlayment

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are engineered to deliver superior fire resistance, acoustic performance, and dimensional stability for today's demanding job sites. Manufactured from magnesium oxide (MgO) with reinforcing glass fiber mesh, MAXTERRA® panels provide a high-density, fire-resistant solution. They are designed for use as flooring underlayment over wood structural panels, serving as a durable replacement for other underlayment products such as wet-laid gypsum in both sound- and fire-rated assemblies.

Applications

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are engineered and tested for use across a wide range of flooring underlayment applications, delivering proven performance in sound control, fire resistance, and structural durability. MAXTERRA® provides a more durable and dimensionally stable solution and is ideally suited for multifamily, hospitality, modular, and other high-performance construction projects.

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are recognized by the International Code Council Evaluation Service (ICC-ES) under Evaluation Report ESR-5192 and Listing Report ESL-1645.

Skip-the-Gyp™ Advantage

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are engineered to achieve code-required STC/ IIC sound ratings without the need for gypsum cement underlayment or sound mats, when installed as part of tested floor/ceiling assemblies. Unlike gypsum cement, MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels eliminate the need for a separate gypsum underlayment trade, additional sill plates, modifications to door headers, and additional project oversight – all while avoiding long cure times, cleanup, and callbacks that can delay or halt construction schedules. The result is a faster, cleaner, and more efficient installation process with reliable performance.

Availability

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are available through NEXGEN Building Products authorized distribution partners nationwide. For purchasing information, technical support, or to locate a distributor near you, visit [www.nexgenbp.com/find-rep-or-distributor](http://www.nexgenbp.com/find-rep-or-distributor) or contact NEXGEN Building Products directly +1(727)620-3334.

Sound Attenuation

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels have been evaluated in floor/ceiling assemblies for Sound Transmission Class (STC) in accordance with ASTM E90, and Impact Insulation Class (IIC) in accordance with ASTM E492. Evaluated assemblies for underlayment are detailed in Report ESL-1645. Please visit NEXGEN Building Products resource page to find most up-to-date assemblies: [www.nexgenbp.com/resources](http://www.nexgenbp.com/resources)

Fire Resistance

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels have been evaluated in floor/ceiling assemblies for fire-resistance in accordance with ASTM E119 (Standard Test Methods for Fire Tests of Building Construction and Materials) and ANSI/UL 263 (Fire Tests of Building Construction and Materials). UL L501, UL L502, UL L525, UL L528, UL L570, UL L602, & UL M500. Please visit NEXGEN Building Products resource page to find most up-to-date assemblies: [www.nexgenbp.com/resources](http://www.nexgenbp.com/resources)

Floor Covering

Many types of finished floor coverings can be installed over MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels. Before applying any floor covering, always check the flooring manufacturer's installation requirements and confirm compatibility with the substrate. Follow all requirements for primers, adhesives, mortars, feathering compounds, and related materials.

Floor coverings commonly installed over MAXTERRA® panels include (but are not limited to): Carpet, Engineered wood flooring, Vinyl, LVP, LVT, & Tile (tile requires an additional tile backer underlayment).

Refer to the MAXTERRA® Underlayment Installation Manual for complete information regarding finished flooring installation.

Fasteners

Fasteners used with MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels must be code-recognized and inherently resistant to corrosion, or factory-coated for corrosion resistance (electro-galvanized or better). Use only approved fasteners suitable for the specific assembly and substrate to ensure long-term performance. Refer to the MAXTERRA® MgO Fire- And Water-Resistant Underlayment Installation Manual for complete information regarding fastener schedules.

Available Thicknesses	1/2" (12 mm), & 5/8" (16 mm)
Available Dimensions	4 feet x 8 feet
Product Weight	1/2" (12 mm): 2.22 lb/sqft 5/8" (16 mm): 2.95 lb/sqft
Edge Profile	Square Edge (SE)
Mold / Mildew Resistance (ASTM G21)	"0 Growth Observed"
Non-Combustibility Test (ASTM E136)	Non-Combustible; Permitted for use in Types I-IV construction
Surface Burning Characteristics (ASTM E84 / UL 723)	Flame Spread Index: 0 Smoke Developed Index: 0
Rated Floor / Ceiling Assemblies (ASTM E119 / UL263)	Evaluated for performance in One-Hour and Two-Hour rated assemblies
STC / IIC Acoustic Performance (ASTM E90 and ASTM E492)	See ESL-1645
Allowable Exposure	Up to 200 days
Construction Types	Types III, IV-C, IV-HT, and V

Available Resources

MAXTERRA® MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels can be specified under Section 06 16 26 – Underlayment in the CSI 3-part specification format.

The MAXTERRA® 3-part specification, submittal sheets, and additional technical resources are available at [www.nexgenbp.com](http://www.nexgenbp.com) or by contacting NEXGEN Building Products directly.

Warranty

MAXTERRA® MgO Fire- And Water-Resistant Underlayment Panels are backed by a 10-year Limited warranty, subject to the conditions and requirements outlined in the official warranty documentation. Limitations and restrictions apply. For complete details, refer to the MAXTERRA® 10-year Limited Warranty, and other applicable warranty documents available at [www.nexgenbp.com/resources](http://www.nexgenbp.com/resources) or by contacting NEXGEN Building Products directly.

■ Remarks

■ Approvals

Architect/Engineer Review

Approved

Approval as Noted

Revise & Resubmit

Rejected

Signature

Date

Contact Us

NEXGEN Building Products  
1904 Manatee Ave West #300  
Bradenton, FL 34205

+1 (727) 620-3334

