

MAXTERRA™

Structural Interior and Exterior Sheathing

Revolutionizing Building with Advanced MgO Technology

NEXGEN MAXTERRA™ MgO is a **best-in-class**, innovative, and versatile mineral-based building material primarily composed of magnesium oxide and sulfate. It stands as a superior alternative to conventional materials such as OSB, plywood, gypsum, and gypcrete by offering unmatched non-combustibility, fire resistance, water resistance, as well as mold and mildew resistance, all without the use of harmful chemicals. **Distinctly mineral-based**, it's free from VOCs, silica, and carcinogens. Its sulfate-based formulation distinguishes it from traditional chloride-based MgO products, addressing corrosion issues and aligning with future safety and environmental compliance standards.

MAXTERRA™ MgO Sheathing are high density structurally rated magnesium oxide products that can be used as a direct replacement for: plywood and OSB for exterior sheathing, interior and exterior gypsum panels, subfloors, concrete underlayment, fire rated walls for stairwells and elevator shafts, and tile backer panels.

Key Benefits

- **Noncombustible & Fire Resistance:** Inherently non-combustible, ASTM E136 Noncombustible Rating, ASTM E84, Flame Spread Index of 0, Smoke Developed Index of 0, chemical-free fire protection.
- **Structural:** When used as an exterior wall, fastening cladding to a wood/steel stud may no longer be necessary. Please consult with the cladding manufacturer for details and specifications.
- **Natural Disaster Resilience:** Enhanced flexural strength, inherent non-combustibility, resistance to moisture, and superior impact resistance. Won't degrade when wet.
- **Healthier Living Environment:** No Harmful chemicals, no carcinogens, no VOC's.
- **Fiber Reinforced for Strength:** Multiple embedded fiberglass layers for superior bending strength ASTM C1185, compression ASTM D2394, and impact resistance ASTM D1037.
- **Mold and Mildew Resistance:** Inorganic material advantage, enhanced moisture resistance, proven performance in ASTM D3273 testing.
- **Pest and Insect Resistance:** Unappealing to pests due to inorganic composition, alkaline environment, and dual protection against moisture.
- **Water and Storm Resistance:** Impervious to water, robust in moist environments and extreme weather conditions, prevents organic growth.

A safer, stronger, healthier way to build.



Contact us to find
or become a Distributor

www.nexgenbp.com

NEXGEN
BUILDING PRODUCTS

MAXTERRA™

Structural Interior and Exterior Sheathing

Recognized as the world's leading manufacturer of MgO products, **MAXTERRA's Structural Interior and Exterior Sheathing** represents a leap forward in construction technology, offering a robust and sustainable alternative to conventional sheathing materials.

Description Structural, Non-Combustible, high-impact resistant sheathing.

Uses Exterior and Interior Sheathing, Underlayment, SIP Skins.

Replaces

- OSB
- Plywood
- Engineered Wood Sheathing
- Sheetrock
- Backer Board

Key Advantages

- Enhanced Safety: Eliminates flammable sheathing materials.
- Ease of Use: Installed using standard carpentry tools.
- Long-Lasting Durability: Sturdy, low-maintenance solution.
- Versatile Application: Suitable for various sheathing needs.

Physical Specifications

- Thicknesses: 3/8" (9mm), 1/2" (12mm), 5/8" (16mm).
- Dimensions: 4' x 8', 4' x 10', 4' x 12'.
- Weight:
 - 1/2" - 2.83 lbs/sq ft
 - 5/8" - 3.77 lbs/sq ft
- Edge Treatments: Square

Code Compliance

- ICC ESR-5193
- Noncombustible: ASTM E136 rating
- ASTM E84 Flame Spread 0, Smoke Developed 0.
- AC 386, AC 376, AC 378 Fiber Reinforced MgO Sheathing
- One and Two Hour Fire Rated Assemblies
- ASTM E119 Wall Assembly



Suitable for All Residential and Commercial Construction

Scan to review our complete testing reports.



ESR-5193



ESL-1568

A safer, stronger, healthier way to build.



Contact us to find
or become a Distributor

www.nexgenbp.com

NEXGEN
BUILDING PRODUCTS