

MAXTERRA™

Tile Backer and Underlayment

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 Board Tile Backer and Underlayment are high density structurally rated Magnesium Oxide products that can be used as a direct replacement for gypsum concrete underlayment (e.g. gypcrete) in flooring applications. **NEXGEN MgO** provides the fire-ratings, sound absorption, and strength for residential, multifamily, and commercial projects.

Key Benefits

- **Fire Resistance in the Test:** ASTM E84, Flame Spread Index of 0, Smoke Developed Index of 0, chemical-free fire protection.
- **Natural Disaster Resilience:** Enhanced flexural strength, inherent non-combustibility, resistance to moisture, and superior impact resistance.
- **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.
- **Storm Resilience:** Strong against moisture and extreme weather conditions.
- **Water Resistance:** Impervious to water, robust in moist environments, prevents organic growth.
- **Healthier Living Environment:** No Harmful chemicals, no carcinogens, no VOC's.

A safer, stronger, healthier way to build.



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NEXGEN
BUILDING PRODUCTS

MAXTERRA™

Tile Backer and Underlayment



As a leader in innovative construction solutions, **MAXTERRA's Tile Backer and Underlayment** redefine the standards for moisture protection and sustainability in tiling applications.

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| Description | Water-resistant backing for tiles and underlayment. |
| Uses | Tile Backer Board, Underlayment |
| Key Advantages | <ul style="list-style-type: none">• Flexibility and Strength: Lightweight yet strong.• Versatility in Sizes: Multiple sizes and thicknesses.• Health Conscious: Silica-free, No Carcinogens• Ease of Installation: User-friendly. |
| Physical Specifications | <ul style="list-style-type: none">• Thicknesses: ¼" (6mm), ½" (12mm), 5/8" (16mm).• Dimensions: 3' x 5', 4' x 8'.• Weight:<ul style="list-style-type: none">◦ 1/4" - 1.23 lbs/sq ft◦ 1/2" - 2.46 lbs/ sq ft◦ 5/8" - 3.25 lbs/ sq ft• Edge Treatments: Square Edge. |
| Code Compliance | <ul style="list-style-type: none">• Mold Resistance: Scores 0/0/0 in ASTM D3273 testing.• AC 386• Shear Bond Strength<ul style="list-style-type: none">◦ Dry-Set Portland – 130 PSI◦ Latex Portland – 238 PSI |

Suitable for All Residential
and Commercial Construction

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