

# MAXTERRA®

MgO Fire- And Water-Resistant Underlayment

## Revolutionizing Building with Advanced MgO Technology

NEXGEN MAXTERRA® MgO is a best-in-class, innovative, and versatile mineral-based building material that utilizes magnesium oxysulfate cement technology. It stands as a superior alternative to conventional materials by offering unmatched 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 Fire- And Water-Resistant Underlayment is a high-density, structurally rated Magnesium Oxide product that can be used as a direct replacement for gypsum concrete underlayment (e.g., gypcrete), fiber cement underlayment, or other conventional flooring underlayment products. NEXGEN MgO provides fire ratings, sound absorption, strength, and performance required for residential, multifamily, and commercial projects.

### Key Benefits

- ▶ **Fire Resistance:** ASTM E84, Flame Spread Index of 0, Smoke Developed Index of 0, chemical-free fire protection.
- ▶ **Mold and Mildew Resistance:** Advanced composition core material advantage, enhanced moisture resistance, proven performance in ASTM G21 testing.
- ▶ **Natural Disaster Resilience:** Enhanced flexural strength, resistance to moisture, and superior durability.
- ▶ **Pest and Insect Resistance:** Unappealing to pests due to advanced composition, alkaline environment, and dual protection against moisture.
- ▶ **Water and Storm Resistance:** 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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## MgO Fire- And Water-Resistant Underlayment



MAXTERRA® MgO Fire-And Water-Resistant Underlayment redefines the standards for moisture protection, durability, and sustainability in modern flooring systems.

**Description** Advanced underlayment for flooring systems.

**Uses** Underlayment for residential, multifamily, and commercial flooring applications.

**Key Advantages**

- 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**

- Thicknesses: 1/4" (6mm), 3/8" (9mm), 1/2" (12mm), 5/8" (16mm).
- Dimensions: 3' x 5', 4' x 8'.
- Weight:
  - 1/4" - 1.11 lbs/sq ft
  - 3/8" - 1.66 lbs/sq ft
  - 1/2" - 2.22 lbs/ sq ft
  - 5/8" - 2.95 lbs/ sq ft
- Edge Treatments: Square Edge.

**Code Compliance**

- ICC ESR-5192
- Mold Resistance: ASTM G21 - 0 growth observed.
- AC 386, AC 376 and AC 378.
- Shear Bond Strength
  - Dry-Set Portland - greater than 50psi.
  - Latex Portland - greater than 50psi.

## Suitable for All Residential and Commercial Construction



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