

IMPORTANT CRITERIA FOR SELECTING CERTIFIED AND CODE COMPLIANT BUILDING MATERIALS

In order to build safe high performance buildings, it is vital to utilize building materials that have been rigorously tested against industry standards and certifications and complies with building codes that are based on the International Code Council (ICC) standards - the IRC (International Residential Code) and the IBC (International Building Code). Building materials are evaluated and tested against these standards and reports

USE ONLY THE HIGHEST CERTIFIED MGO BOARDS AND PANELS

There are dramatic differences in MgO product quality. So you must utilize only the highest certified MgO building materials. NEXGEN supplies the highest quality and highest certified MgO building products that are high density structurally rated magnesium cement sheathing that can be used as a direct replacement for plywood and OSB for exterior sheathing and subflooring panels, interior and exterior gypsum panels, fiber cement subfloor, and tile backer panels. NEXGEN building products have the following certifications:

ICC-ES ESR-2880

ICC-ES certified for use as fiber-reinforced magnesium oxide based sheathing. Compliance with IBC 2018 and IRC 2018. Properties evaluated: Structural, Durability, Construction Types I-IV, Surface-burning characteristics.



CCMC 14038_e

CCMC certified for use as Interior and Exterior Sheathing



ASTM E119 & E135

Standard test methods for Fire Tests of Building Construction materials & Non-combustibility.

ULC S102

Surface burning characteristics, Zero smoke spread, and Zero flame spread.



ASTM C1185-08

Flexural Strength under various test conditions

ASTM C1186-02

Water absorption and Moisture movement

Other Code and Testing Criteria

NEXGEN MgO products are manufactured in an ISO certified factory. Other certifications including: UL, Intertek, QAI designs, US Green Buildings Council LEED Standard for VOC's. State of Florida Product Approval, Miami-Dade County Florida Notice of Acceptance, Texas Department of Insurance, City of Los Angeles Research Report.

NEXGEN MGO IS CERTIFIED FOR THESE APPLICATIONS

Certified NEXGEN MgO building products are excellent solutions for:

- Exterior Sheathing
- Interior Sheathing
- Elevator Shafts and Stairwell Firewalls
- Subflooring
- Floor Underlayment