

## NEXGEN MAXTERRA™ MgO UNDERLAYMENT FOR FIRE RESISTANCE SOUND ABSORPTION AND LONG LIFE

### WHY MgO IS AN IDEAL SOLUTION

NEXGEN MAXTERRA™ MgO board products are high density structurally rated Magnesium Oxide underlayment 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.



### BENEFITS OF MAXTERRA UNDERLAYMENT

#### Fire Resistance

All of the NEXGEN MgO disaster resistant attributes increase life safety and protect your investment. The MgO panels are non-combustible, and have zero flame and smoke spread.

#### Easy Installation

NEXGEN MgO uses traditional construction methods including sawing, scoring & break, and screws. Fast installation with less steps using a single trade for underlayment applications.

#### Water Resistance

Using a building product that is water resistant has never made more sense. MgO products do not rapidly deteriorate when immersed in water over a short period and can maintain structural stability.

#### Eco-Friendly

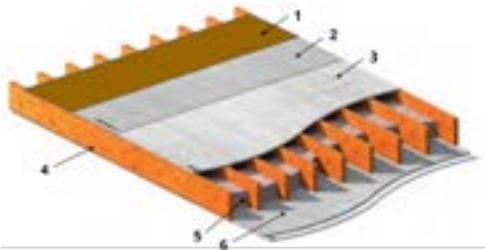
NEXGEN MAXTERRA is made using environmentally conscious materials and is non-toxic, no VOCs, no off-gassing. The manufacturing process is carbon neutral and end of life disposal is low impact.

### THE BEST TEST RESULTS AND CERTIFICATIONS



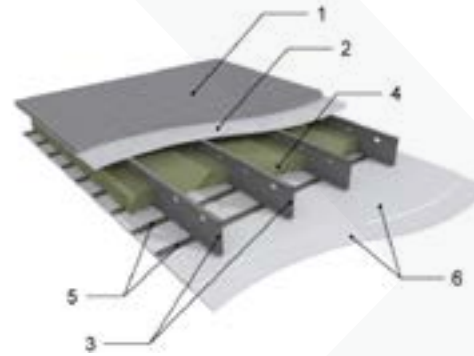
## 1-Hour Fire Rated

## 2-Hour Fire Rated



### Wood Underlayment Assembly

1. Top flooring
2. 1/2" NEXGEN MgO Panel
3. OSB or Plywood subfloor
4. LVL Joists 1.75"x9.5"
5. 1/2" 5.5" Roxul Insulation
6. 1/2" NEXGEN MgO ceiling



### Steel Underlayment Assembly

1. 1/2" NEXGEN MgO Panel
2. OSB or Plywood subfloor
3. Steel Joists 10" x 2" - 16 Gauge @ 24" OC
4. 140mm Fiberglass Insulation - Non-Combustible
5. 25 MSG Galv. Steel 1/2" Deep @ 12"OC
6. 1/2" NEXGEN MgO or 5/8" drywall ceiling

### Board Thickness Options - \* in stock

**Imperial:**

1/8" | 1/4" | 3/8"  
1/2"\* | 5/8" | 3/4"\*

**Metric:**

3mm | 6mm | 10mm  
12mm\* | 15mm | 18mm\*

### Board Dimension Options - all in stock

**Imperial:**

4'x8' | 4'x9'  
4'x10' | 4'x12'

**Metric:**

1220x2440 | 1220x2750  
1220x3050 | 1220x3660

### Panel Attributes

4'x8'x1/2" panel is 2.2 LBS/SF  
4'x 8'x3/4" panel is 3.3 LB/SF  
All boards are square finished standard

### Product Availability and Storage

MAXTERRA panels are stocked in North America for timely shipment

Store board horizontally  
Do not stack above 12'  
All pallets 4800 lbs max shipment

### Code Compliance

National	Fire Ratings	Water Resistance	Strength	Mold Resistance
ICC-ES-ESR-2880	ASTM E135 ASTM E119 ASTM E136	ASTM C1186 ASTM E96	ASTM C1185 ASTM D2394	ASTM D3273
CCMC 14038_e	UL-263 ULC S102	ASTM C1185 Freeze/Thaw	ASTM C1325 Blast Rating Level 8	ASTM D5116 No Toxic VOC's



Scan the QR code to [go to the NEXGEN Resources web page](#) - insights, videos, technical and installation documents.

NEXGEN Building Products  
[www.nexgenbp.com](http://www.nexgenbp.com)

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