



## EXACOR® Underlayment and Subflooring COMPANY INFORMATION

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## WHAT ARE EXACOR UNDERLAYMENT AND SUBFLOORING PANELS

EXACOR underlayment and subflooring panels are specifically engineered with fire-resistance, acoustical performance and dimensional stability needed for today's jobsites. EXACOR panels are made of magnesium oxide (MgO) cement and integrated layers of reinforcing glass fiber mesh. They are fire-resistant high-density panels that can be used as subflooring and flooring underlayment.

## BASIC USE AND APPLICATIONS

EXACOR MgO underlayment and subflooring panels are recognized by International Code Council Evaluation Service (ICC-ES) in evaluation service reports ESR-4634 (subflooring) and ESR-4635 (underlayment) for use in subflooring and underlayment applications. Subflooring panels have been tested for allowable uniform gravity loading and diaphragm (simple beam) lateral resistance.

## ADVANTAGES

EXACOR underlayment and subflooring panels have shown to achieve code minimums for STC/IIC ratings without the need for gypsum concrete, when used as a part of certain tested floor/ceiling assemblies. Unlike gypsum concrete, EXACOR underlayment and subflooring panels do not require the gypsum underlayment trade nor its extended cure time that can slow or halt construction progress.

## AVAILABILITY

Huber Engineered Wood's EXACOR panels are available through distributors nationwide. Visit [Huberwood.com](http://Huberwood.com) or contact Huber Engineered Woods for a retailer near you.

EXACOR Underlayment and Subflooring Panels		
Max. Commercial Project Exposure - Subfloor	200 Days - Registered Project 90 Days - Unregistered Project	
Max. Commercial Project Exposure - Underlayment	200 Days - Registered user with HEW substrate 90 Days - Not a registered user without HEW substrate	
Material Composition	Magnesium Oxychloride Cement	
Construction Type	Type III and Type V only	
Weight (lbs/ft <sup>2</sup> )	1/2" : ~2.7 5/8" : ~3.3 3/4" : ~4.5	
Surface Burning Characteristics (ASTM E84/UL 723)	ASTM E84/UL 723 (Tunnel Test)	Flame Spread ≤10
	ASTM E2768 (Ext. Tunnel Test)	Smoke Developed ≤5
Code Acceptance	Type III & Type V compliance recognized by ESR-4634 and ESR-4635	
Fire Resistance Rating (ASTM E119/ANSI UL263)	1 & 2 Hour Assemblies Available	
Water Vapor Permeable	≥13 perms ASTM E96 (Method B) ≥5 perms ASTM E96 (Method A)	
Mold Resistance (ASTM G21)	0 mold growth observed	
Maximum Joist Spacing	Subfloor: 16-inch on center Underlayment: per D.O.R.	



## FIRE RESISTANCE AND SOUND ATTENUATION

EXACOR panels have been tested in floor/ceiling assemblies for fire-resistance in accordance with ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials / ANSI UL 263 Fire Tests of Building Construction and Materials. Below is a list of available fire rated assemblies for EXACOR underlayment and subflooring.

### EXACOR UNDERLAYMENT:

- UL L501 (Sys. No. 23) • UL L502 (Sys. No. 24)
- UL L525 (Sys. No. 16) • UL L528 (Sys. No. 22)
- UL L602 (Sys. No. 2) • M500 (Sys. No. 9)

### EXACOR SUBFLOORING:

- UL L502 (Sys. No. 25) • UL L525 (Sys. No. 17)
- UL L601 • UL L602 (System No. 1)
- UL M500 (Sys. No. 10)

EXACOR panels have been evaluated in floor/ceiling assemblies for Sound Transmission Class (STC) in accordance with ASTM E90, and Impact Insulation Class (IIC) in accordance with ASTM E492. Evaluated assemblies for both subflooring and underlayment are listed in the EXACOR Sound & Fire Assemblies Handbook available at [huberwood.com](http://huberwood.com).

## FLOOR COVERING

Many floor coverings can be installed over EXACOR underlayment and subflooring panels; however, before applying any floor covering, check flooring manufacturer's installation requirements and compatibility with substrate. Follow all flooring manufacturer's requirements for primers, adhesives, mortars, self-levelers, underlayment, etc. Floor coverings that can be installed over EXACOR panels include (but are not limited to):

- Carpet
- Engineered wood flooring
- Vinyl, LVP and LVT
- Ceramic Tile (additional underlayment required)

See installation manual(s) for more information regarding finished flooring installation.

## AVAILABLE RESOURCES

EXACOR panels can be used under Section 06 16 00 SHEATHING for the CSI 3-part specification format. These documents are available at [huberwood.com](http://huberwood.com).

## FASTENERS

### Underlayment:

Fasteners must be code-recognized and shall be inherently resistant to corrosion or coated for corrosion resistance (electro-galvanized) or better.

### Subflooring;

Fasteners must be code-recognized and shall be inherently resistant to corrosion or coated for corrosion resistance (Class D, ASTM A153 hot-dipped galvanized) or better.

## SIZE AND THICKNESS

### Underlayment – Square Edge

Thickness: ½" (12 mm) or 5/8" (16 mm) +/- 1/16" (1mm)

Length & Tolerances: 96" (2440 mm) +/- 5/64" (2mm)

Width & Tolerances: 48" (1200 mm) +/- 5/64" (2mm)

### Subflooring – Tongue & Groove

Thickness: nominal 3/4" (20mm) +/- 1/16" (1mm)

Length & Tolerances: 96" (2440 mm) +/- 5/64" (2mm)

Width & Tolerances: 48" (1200 mm) +/- 5/64" (2mm)

## STORAGE AND HANDLING

EXACOR panels shall be stored in a cool, dry environment and remain in the manufacturer's packaging. EXACOR panels shall be stored on the manufacturer's pallets off the ground with full support underneath. To protect edges from damage, do not store EXACOR panels vertically. To prevent the risk of injury, do not stack EXACOR panels higher than 11 feet high (6 units, level, aligned and stacked). Panels should not be stored

loosely or near standing water. When not contained in the original packaging, cover EXACOR panels with waterproof tarp or similar material when stored outdoors or on site to protect against weather, surface contamination and construction traffic.

## WARRANTY

EXACOR underlayment and subflooring panels carry a maximum of a 10-year warranty depending on various conditions outlined within the respective warranties. Limitations and restrictions apply. View the EXACOR underlayment Commercial Warranty, the EXACOR subflooring Commercial Warranty and/or Residential Warranty available at [huberwood.com/warranties](http://huberwood.com/warranties) for more details.

## TECHNICAL SERVICE

Detailed information including specifications, product literature, evaluation reports, installation instructions, and special applications is available through Huber Engineered Woods. Please visit [Huberwood.com](http://Huberwood.com) or call 800.933.9220 x2716 to speak to a technical representative.