



EXACOR® Underlayment Submittal Form

Submitted to: _____

Job Name: _____

Submitted by: _____

Date: _____

Product: 1/2" SE 5/8" SE



Huber Engineered Woods LLC
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EXACOR® Underlayment

COMPANY INFORMATION

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WHAT ARE EXACOR UNDERLAYMENT PANELS

EXACOR underlayment 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 flooring underlayment over a wood structural panel as replacement for gypcrete in sound and/or fire-rated assemblies.

BASIC USE AND APPLICATIONS

EXACOR MgO underlayment panels are recognized by International Code Council Evaluation Service (ICC-ES) in evaluation service report ESR-4635 for use in underlayment applications. EXACOR underlayment panels can be used to replace wet-laid gypsum as an underlayment.

ADVANTAGES

EXACOR underlayment 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 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 or contact Huber Engineered Woods for a retailer near you.



EXACOR Underlayment Panel		
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, Type IV-C, Type IV-HT, Type V	
Weight (lbs/ft2)	1/2": ~ 2.7 5/8": ~ 3.3	
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	Recognized as underlayment in ICC-ES 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	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.

EXACOR UNDERLAYMENT:

- UL L501 (Sys. No. 23) • UL L502 (Sys. No. 24)
- UL LL511 (Sys. No. 25) • UL L525 (Sys. No. 16)
- UL L528 (Sys. No. 22) • UL L546 (Sys. No. 14)
- UL L570 (Sys. No. 20) • UL L602 (Sys. No. 2)
- UL M500 (Sys. No. 9)

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 underlayment are listed in the EXACOR Sound & Fire Assemblies Handbook available at huberwood.com.

FLOOR COVERING

Many floor coverings can be installed over EXACOR underlayment 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 tile backer underlayment required)

See EXACOR underlayment installation manual for more information regarding finished flooring installation.

AVAILABLE RESOURCES

EXACOR underlayment panels can be used under Section 06 16 26 UNDERLAYMENT for the CSI 3-part specification format. This document is available at huberwood.com.

FASTENERS

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

SIZE AND THICKNESS

Edge Profile: Square Edge

Thickness: 1/2" (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)

STORAGE AND HANDLING

EXACOR panels must be stored in a covered, 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 6 units. Stacked units shall be level and aligned vertically.

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

WARRANTY

EXACOR underlayment panels carry a maximum of a 10-year limited warranty depending on various conditions outlined within the warranties. Limitations and restrictions apply. View the EXACOR Underlayment Limited Commercial Warranty, EXACOR Sheathing Commercial Limited Warranty, and/or EXACOR Residential Limited Warranty available at 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 or call 800.933.9220 x2716 to speak to a technical representative.

