



**EXACOR™**  
WALL SHEATHING

# STRENGTH & FIRE RESISTANCE<sup>1</sup> FOR EXTERIOR WALLS

## 01 What are EXACOR™ panels?

### **BUILD. PROTECT. LIVE.™**

EXACOR™ panels are specifically engineered with the structural performance, dimensional stability and fire-rated needs of today's jobsite in mind. Cementitious panels primarily made of inorganic materials reinforced with layers of glass fiber mesh, EXACOR™ sheathing exhibits structural values approaching wood sheathing with fire resistance<sup>1</sup> similar to gypsum panels.

## 02 EXACOR™ Sheathing

### **LOOKING FOR A FIRE-RATED WALL ASSEMBLY THAT COULD REDUCE LAYERS?**

EXACOR™ sheathing panels are easily installed by framing crews familiar with installing OSB or plywood sheathing. EXACOR panels provide a fire resistant<sup>1</sup> solution that may help reduce the number of layers needed in 2 hour fire-rated wall assemblies.<sup>2</sup>

[exacor.com](http://exacor.com)

1. EXACOR panels may be used in specific published fire-resistant-rated assemblies as tested in accordance with ASTM E119/ANSI UL 263. Follow published fire-resistance rated assembly requirements and consult local building codes and designer of record for fire-resistant design requirements.
2. According to ICC-ES ESL-1290.

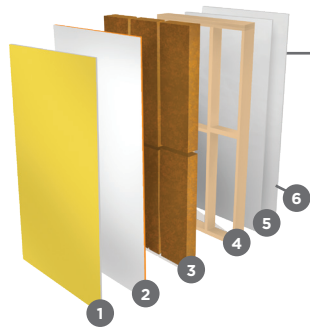


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## 03 Benefits

# A STRONG CHOICE

High-quality MgO panels can help reduce material and labor costs while still providing fire-rated performance. EXACOR™ sheathing panels are a fire-resistant,\* exterior sheathing solution for use in 1- and 2-hour fire-rated exterior wall assemblies\*\* for Type III and V Construction. The panels are manufactured under a quality control program with inspections by ICC-ES and Underwriters Laboratory to ensure consistent product performance.



2HR

2-HOUR WALL ASSEMBLY\*\*\* (UL V337)

**Key:**

1. gypsum
2. fire-resistant sheathing
3. mineral wool insulation
4. wood framing
5. gypsum
6. gypsum

VS

**Accomplish fire-resistance in fewer layers with EXACOR MgO panels**

1HR

EXACOR™ MgO 1-HOUR WALL ASSEMBLY\*\*\* MOS-1290-04 (ESL-1290)

**Key:**

1. EXACOR™ sheathing
2. fiberglass insulation
3. wood framing
4. gypsum



2HR

EXACOR™ MgO 2-HOUR WALL ASSEMBLY\*\*\* MOS-1290-03 (ESL-1290)

**Key:**

1. EXACOR™ wall sheathing
2. mineral wool insulation
3. wood framing
4. gypsum
5. gypsum



LIMITATIONS AND RESTRICTIONS APPLY TO EXACOR™ WALL SHEATHING PANELS USED IN EXTERIOR WALLS OF TYPE III CONSTRUCTION THAT ARE GREATER THAN 40FT IN HEIGHT ABOVE GRADE PLANE. SEE ESL-1290 FOR INFORMATION REGARDING THE USE OF EXACOR PANELS IN NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 285 ASSEMBLIES. EXACOR™ PANELS ARE NOT APPROVED FOR USE ON TYPE I OR TYPE II BUILDINGS EXCEPT AS NOTED IN ESR-4635.

PANEL THICKNESS	PANEL SIZE	PANEL COUNT	WEIGHT (LBS/SF)	MAX SUPPORT SPACING (IN)	EDGE/FIELD SPACING (IN) <sup>1</sup>	ALLOWABLE SHEAR VALUES (PLF) <sup>2,3,4,5,6,7</sup>	TRANSVERSE WIND LOADS (PSF) <sup>4,5,8</sup>	FIRE-RESISTANCE RATED ASSEMBLIES <sup>9</sup>	CODE EVALUATION REPORT
1/2" (12mm)	4' x 8' (1220mm x 2440mm)	38 33 32	2.7	24	4/6"	230	+/- 38	1 hr Exterior Load Bearing Wall MOS-1290-04 ESL 1290	ESR 4635
	4' x 9' (1220mm x 2750mm)								
	4' x 10' (1220mm x 3050mm)								
5/8" (16mm)	4' x 8' (1220mm x 2440mm)	28 25 24	3.3	24	4/6"	220	+/- 68	2 hr Exterior Load Bearing Wall MOS-1290-03 ESL 1290	ESR 4635
	4' x 9' (1220mm x 2750mm)								
	4' x 10' (1220mm x 3050mm)								

1. Fasteners must be minimum of 0.113-inch x 2-inch hot-dipped ring shank nails with a 3/8" edge distance. No fastener within 2-inches of panel corners.
2. Prescriptive bracing requirements under the 2021 and 2018 IRC, Intermittent Wall Bracing Method.
3. Not approved for use as prescriptive wall bracing where wind design is required by R301.2.1.1.
4. Framing must be of nominal 2x lumber with a minimum Specific Gravity of 0.42.
5. All panel edges must be backed by framing.
6. Shear walls must have a maximum height-to-width aspect ratio of 2:1.
7. For use in Seismic Design A, B and C only.
8. Values assume panels are supported over 3 supports (2-span) and deflection limit of L/360.
9. In accordance with ASTM E119/ANSI UL 263.

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\*\* According to ICC-ES ESL-1290.

\*\*\* See full assembly for details and requirements.