



Product Evaluation

FR42 | 1015

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: FR-42

Effective Date: October 1, 2015

Re-evaluation Date: October 2019

Product Name: JetBoard Magnesium Oxide Cement Sheathing Panels

Manufacturer: JetProducts, LLC
770 Bradfield Road
Suite 575
Houston, TX 77060
(877) 453-8868

General Description:

Magnesium oxide cement sheathing panels. The sheathing panels are nominal 1/4" thick and nominal 1/2" thick. The sheathing panels are produced in 4' widths and 8', 9', and 10' lengths.

Limitations:

The sheathing may not be used as a finished exterior cladding.

The sheathing may be used as wall bracing.

Sheathing used for wall bracing must be applied directly to the wall framing.

Sheathing used as wall bracing must have a maximum shear wall aspect ratio of 2:1.

The sheathing must be secured to wood stud walls.

The sheathing may be applied to the exterior or interior surfaces of exterior wood stud walls.

The sheathing may be applied to interior wood stud walls.

The sheathing may be installed with the long dimension either parallel or perpendicular to the wall studs.

Horizontal and vertical sheathing joints must occur over framing.

Installation:

All fasteners must be corrosion resistant.

Fasteners must be minimum 0.131" x 2-1/2" hot dip galvanized, full round head, wire coil nail (Hitachi Brand, Part #12711).

The allowable design shear load rating for the sheathing is specified in Table 1.

Table 1
JetBoard Magnesium Oxide Cement Sheathing
Allowable Design Shear Load

Panel Thickness	Fastener Spacing		Allowable Design Shear Load
	Perimeter	Field	
1/4"	4" o.c.	12" o.c.	195 plf
1/4"	6" o.c.	12" o.c.	120 plf
1/2"	4" o.c.	12" o.c.	238 plf
1/2"	6" o.c.	12" o.c.	147 plf

Wall studs must be minimum Stud or No. 3 grade Spruce-Pine-Fir nominal 2X dimension lumber.

The wall stud spacing must not exceed 16" on center.

Install the sheathing directly to the wall studs.

The sheathing must be installed with all horizontal and vertical joints secured to wall framing and with a maximum shear wall aspect ratio of 2:1 in order for the sheathing to be used as wall bracing and to be rated for the allowable design shear loads specified in Table 1.

Install blocking as required for joints perpendicular to wall studs. Blocking must be the same cross section as the wall studs.

The fasteners must be located a minimum of 3/8" from the edge of the sheathing.

The sheathing must be fastened to the upper member of the double top plate and to the sole plate.

Note: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.