

Product Evaluation

MC18 | 1221

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: MC-18

Effective Date: December 1, 2021

Re-evaluation Date: December 2025

Product Name: Fiberon Concordia™ Horizon® and Concordia™ Symmetry® Decking, Fiberon® Wildwood™ Composite Cladding

Manufacturer: Fiberon Composites, LLC
181 Random Drive
New London, NC 28127
(800) 573-8841

General Description:

The Concordia™ Horizon® and Concordia™ Symmetry® Decking, and Fiberon® Wildwood™ Composite Cladding are manufactured of a mix of both low- and high-density polyethylene plastic and composite core. The boards are capped with a durable PermaTech outer surface that is bonded on all four sides for the Concordia boards and on three sides for the Wildwood boards.

Concordia™ Horizon® and Concordia™ Symmetry® Decking Boards: The decking boards are 5-3/8" wide by 15/16" high. The decking boards are available in 20' lengths.

Fiberon® Wildwood™ Composite Cladding: The boards are available in 6", 7-1/4", and 11-1/4" widths. All are by 3/4" high. The 6" wide boards are available in 12', 16', and 20' lengths. The 7-1/4", and 11-1/4" wide boards are available in 12' lengths.

Limitations:**Design Load:**

Concordia™ Horizon® and Concordia™ Symmetry® Decking Boards: +120 psf / -120 psf

Fiberon® Wildwood™ Composite Cladding:

7-1/4" and 1-1/4" wide boards: +115 psf / -115 psf

6" wide boards: +120 psf / -120 psf

Installation:

General: Installation to be in accordance with the manufacturer's installation instructions and this evaluation report.

Concordia™ Horizon® and Concordia™ Symmetry® Decking: Wall framing to be minimum SPF dimension lumber. The wall framing spacing must not exceed 16" on center. Minimum 7/16" plywood or OSB is secured to the wall framing. Size and spacing of fasteners for sheathing as required by the applicable building code. A ventilated drainage plane (minimum 3/8" thick to a maximum 3/4" thick) must be created between the substrate and the boards. Examples include a continuous drainage mat or nominal 1x3 pressure treated Southern Yellow Pine lumber. Contact Fiberon for other acceptable materials. The ventilated drainage plane is applied vertically over the sheathing and secured to the wall framing with fasteners spaced a maximum of 16" on center. The boards are placed perpendicular to the ventilated drainage plane. The boards are secured to the wall framing with two (2) minimum No. 9 x 2-1/2" composite deck screws per wall stud. Fasteners to be located not less than 1" from the edge and ends of the boards. The fasteners must be long enough to penetrate through the ventilated drainage plane, the sheathing, and into the wall framing a minimum of 1-1/4". A 3/16" spacing is maintained between horizontal rows of deck boards.

Fiberon® Wildwood™ Composite Cladding: Wall framing to be minimum SPF dimension lumber. The wall framing spacing must not exceed 16" on center. Minimum 7/16" plywood or OSB is secured to the wall framing. Size and spacing of fasteners for sheathing as required by the applicable building code. A ventilated drainage plane (minimum 3/8" thick to a maximum 3/4" thick) must be created between the substrate and the boards. Examples include a continuous drainage mat or nominal 1x3 pressure treated Southern Yellow Pine lumber. Contact Fiberon for other acceptable materials. The ventilated drainage plane is applied vertically over the sheathing and secured to the wall framing with fasteners spaced a maximum of 16" on center. The boards are placed perpendicular to the ventilated drainage plane. The boards are secured to the wall framing with two (2) minimum No. 10 x 2-1/2" composite deck screws per wall stud. Fasteners to be located not less than 1" from the edge and ends of the boards. The fasteners must be long enough to penetrate through the ventilated drainage plane, the sheathing, and into the wall framing a minimum of 1-1/4". A 3/16" spacing is maintained between horizontal rows of deck boards.

Note: The deck boards must be installed in accordance with the manufacturer's installation instructions and this product evaluation report. The manufacturer's installation instructions

must be on the job site during the installation. All fasteners must be corrosion resistant as specified in the IRC and the IBC.