

Product Evaluation

MC18 | 0421

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: April 1, 2021

Re-evaluation Date: April 2025

Product Name: Fiberon Concordia™ Horizon® and Concordia™ Symmetry® Decking, Fascia Boards, and Riser Boards

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

General Description:

The Concordia™ Horizon® and Concordia™ Symmetry® Decking, Fascia, and Riser Boards 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.

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.

Concordia™ Horizon® and Concordia™ Symmetry® Fascia Boards: The fascia boards are 11-1/4" wide by 3/4" high. The fascia boards are available in 12' lengths.

Concordia™ Horizon® and Concordia™ Symmetry® Riser Boards: The riser boards are 7-1/4" wide by 3/4" high. The riser boards are available in 12' lengths.

Limitations:

Design Load:

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

Concordia™ Horizon® and Concordia™ Symmetry® Fascia and Riser Boards: +115 psf / -115 psf

Installation:

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

Concordia™ Horizon® and Concordia™ Symmetry® Decking, Fascia, and Fascia Boards: 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. Battens, minimum nominal 1x3 Pressure Treated Southern Yellow Pine lumber, are secured over the sheathing to the wall framing. The batten spacing must not exceed 16" on center. The battens are secured to the wall framing through the sheathing with minimum No. 8 x 2" wood screws spaced a maximum of 16" on center. The boards are placed perpendicular to the battens. The boards are secured to each batten with two minimum No. 9 x 2-1/2" composite deck screws per batten. Fasteners to be located not less than 1" from the edge of the boards and not less than 1-1/2" from the ends of the boards. The fasteners must be long enough to penetrate through the batten, 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.