

Huber Blue Sheathing Installation Manual

Product Information

ATTENTION: This installation guide is intended to provide general information for the designer and end user. The following guidelines will help you safely and properly install the Huber Blue™ sheathing. We urge you, and anyone installing this product, to read these guidelines to minimize any risk of safety hazards and prevent voiding any applicable warranties. This manual is a general installation guide and does not cover every installation condition. Proper installation shall be deemed to mean the most restrictive requirement specified by Huber Engineered Woods (HEW), local building code, engineer or architect or record, or other authority having jurisdiction. You are fully and solely responsible for all safety requirements and code compliance. For additional information, contact HEW.

Basic Use and Applications

Huber Blue™ panels are appropriate for a wide range of applications, including, but not limited to:

- Wall sheathing
- Roof sheathing

Compositions and materials

Huber Blue™ sheathing is a wood structural panel available in 7/16" and 23/32" nominal thicknesses. Huber Blue™ sheathing carries an Exposure 1 bond classification.

Certification & Code Compliance

Huber Blue™ sheathing panels, are manufactured in conformance with PS2, Performance Standard for Wood-Based Structural-Use Panels. They are certified to be in conformance with requirements for U.S. Department of Housing and Urban Development (HUD/FHA).

Flame Spread

Huber Blue™ sheathing panels are recognized as having a Class C (III) flame spread rating without need for test or label by HUD/FHA Manual Acceptance Practices, Section 405-8 to the Minimum Property Standards.

UL Fire-Rated Assemblies

Huber Blue™ panels are recognized in UL Fire-Rated Assemblies as a wood structural panel meeting the requirements of the U.S. DOC Voluntary PS-2 standard with an Exposure 1 bond classification. Architects and engineers specify fire-rated wall, floor and roof assemblies extensively in structures where one- or two-hour fire protection is required. The *UL Fire Resistance Directory* is available from Underwriters Laboratories by calling (847)272-8800 or on UL's website (<http://www.ul.com>).

Storage and Handling

- Ship panels under tarp.
- Set bundles on three supports to keep off the ground.
- Outdoors, cover panels loosely with waterproof protective material.
- Anchor covers on the top of the stack but off the sides and bottom for good air circulation.
- In high moisture environments, cut banding on the bundle to prevent edge damage.
- Factory applied packaging is intended only for protection during transit.
- The temporary factory-applied packaging should be slit or removed to prevent accumulation or condensation.
- Avoid dropping panels on corners or edges.
- When using a forklift, put the stack on a pallet or supports to minimize damage from forks.

Huber Sheathing Safety Guidelines

- Follow all OSHA regulations and any other safety guidelines and safety practices.
- Use approved safety belts and/or harnesses or other fall protection equipment.
- Install Huber Blue™ sheathing only in dry conditions and on dry surfaces. Do not install in rain, snow, frost or other slippery conditions.

Exposure

Huber Blue™ panels are classified as Exposure 1 under PS-2, Huber Blue™ panels are intended to resist the effects of moisture due to construction delays or other conditions of similar severity but are not suitable for permanent exposure. Huber Blue™ panels should not be used in applications that will expose the panels to weather permanently. Huber Blue™ panels are not approved or certified for exterior exposure.

Installation Instructions

Panel Orientation and Edge Spacing

Wall Applications: Panels can be installed with the long side of the panel oriented either *horizontally* or *vertically* to framing members. Walls designed to resist lateral shear forces and sheathed with wood structural panels typically may blocking behind panel edges. Refer to 4.3.7 of the Special Design Provision for Wind and Seismic for blocking requirements.

Roof Applications (4'x8' only): Panels should be oriented with the long dimension (8') perpendicular to framing members with short dimension (4') edge seams staggered a minimum of 24" and supported by framing members. Roof panels are required to span a minimum of three framing members. For panel edge support please refer to Table R503.2.1.1(1) of the International Residential Code.

Edge Spacing: Square edge panels should be spaced 1/8" apart to allow for panel expansion due to moisture, in accordance with industry standards for wood sheathing. Panels with a tongue and groove are designed to be self-spaced when installed correctly. Snug the tongue and groove edges together using wood blocks and a framing hammer. Avoid excessive force that can damage the tongue and groove.

Approved Fasteners

Approved fasteners for use in Huber Blue™ sheathing follow the International Residential Code (IRC)

guidelines unless otherwise required by Designer of Record, Engineer of Record or Authorities Having Jurisdictions (AHJ). Approved fasteners and alternatives according to IRC requirements can be found in Table R602.3(1) and Table R602.3(2), respectively. Install fasteners 3/8" from panel edges, and space fasteners a maximum of 6" on-center on supported panel ends and 12" on-center at intermediate supports in the field unless otherwise specified.

Compatibility

Water resistive barriers, and fluid applied flashing, and adhered membranes: The International Code Council requires water resistive barriers or adhered membranes (i.e. ice and water membranes, peel and stick membranes, etc.) in multiple applications throughout the wall and roof construction process. Any code-approved water resistive barrier, or adhered membrane should be compatible with Huber Blue™ sheathing unless otherwise stated in the product manufacturer's guidelines. Proper installation of any of these products is at the discretion of the manufacture, 3rd party evaluation report, or AHJ.

Warranties and Guarantees

Huber Blue™ is backed by a 25 warranty against any manufacturing defects.