



OSB Structural Sheathing

DESCRIPTION

Huber Blue™ OSB sheathing panels are *engineered* to have exceptional performance characteristics of strength, stiffness and durability. Precisely cut wood strands are mixed with durable resin binders and oriented in a four-layer process in which two core layers are oriented perpendicular to two surface layers. The panel is then cured under intense heat and pressure to form an irreversible bond between the strands. Thickness for thickness, Huber Blue OSB sheathing panels can be used on the same spans as PS-2 commodity plywood.

BASIC USES

Huber Blue OSB sheathing panels are a high-quality alternative to PS-2 commodity plywood. They are used extensively in residential and commercial construction for roof and wall sheathing, as well as subflooring in two-layer systems.

COMPOSITION & MATERIALS

Huber Blue OSB sheathing panels are bonded with phenolic resin. Tests by U.S. Forest Products Laboratory and Oak Ridge National Laboratory have found formaldehyde emissions from panels bonded with phenolic resin to be nonexistent or negligible. The Federal Department of Housing and Urban Development (HUD) has exempted wood panel products bonded with phenolic adhesives from all formaldehyde testing requirements.

**Great Things
Are Forming
Out Of The
Blue**

ADVANTAGES

- 25-year limited warranty against delamination and manufacturing defects.
- Use in same applications as PS-2 commodity plywood
- No core voids or knotholes
- Consistent quality, 100% useable
- Stiffer and denser to lie flatter
- Guaranteed not to delaminate
- Will not warp, buckle, sag or cup
- Edge sealed for moisture protection
- Use standard woodworking tools
- After-sale field service and support

GENERAL INFORMATION

- PANEL SIZES:**
4' X 8' up to 8' X 24'
- THICKNESSES:**
7/16", 15/32", 1/2", 5/8"
- CUSTOM:**
Specialty sanding and sizes are available on request. Inquiries will be handled on an individual basis.

CERTIFICATION & CODE COMPLIANCE

Huber Blue OSB sheathing panels are manufactured in conformance with PS2, Performance Standard for Wood-Based Structural-Use Panels. Huber Blue sheathing panels bear the stamp of TECO.

Panels may bear stamps certifying conformance to both PS2 and CAN/CSA-0325. CSA-0325 is a panel conformance standard maintained by the Canadian Standards Association.

Huber Blue OSB sheathing panels are certified to be in conformance with requirements for U.S. Department of Housing and Urban Development (HUD/FHA) Use of Materials Bulletin #40C bear the designation of HUD-UM-40C within the stamp.

Huber Engineered Woods LLC is also approved to manufacture OSB by the Japanese Ministry of Agriculture, Forestry, and Fisheries (MAFF) in accordance with the Japanese Agricultural Standard (JAS) for Structural Panels.



*Limitations and restrictions apply. See warranty terms and conditions for complete details.

FIRE RATING

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

STORAGE

- Ship panels under tarp.
- Store panels to avoid excessive moisture.
- Set bundles on supports to keep off the ground.
- Outdoors, cover panels loosely with waterproof protective material.
- Anchor covers on the top of the stack, but keep away from sides and bottom to assure good air circulation.
- Allow panels to acclimate to environmental conditions prior to installation.
- When high moisture exists, cut banding on the stack to prevent edge damage.

HANDLING

- Avoid dropping panels on corners or edges.
- When using a forklift, put the stack on a pallet or supports to minimize damage from forearms.
- Exposure 1 durability rating: Panels are intended for protected construction applications where ability to resist moisture during normal construction delays is required.
- Panel edges may swell if exposed to rain or standing water. This is a normal reaction for compressed wood products and will not affect structural integrity. Sand panels where necessary after panels are dry.

INSTALLATION

CUTOUTS

Cutouts for plumbing and electrical components should be oversized by at least 1/4" to avoid a forced fit.

FINISHING

Panels can be left natural, stained, varnished or painted. OSB is not recommended for exterior siding.

ROOF SHEATHING

Install Huber Blue OSB sheathing panels over two or more spans, staggered, with long dimension perpendicular to the roof framing. End joints must lie over supports. Screened surface should be installed up to maximize skid-resistance. All panel ends must be spaced 1/8" at time of installation. To assure proper edge spacing, H-clips are recommended for use with 7/16" roof sheathing.

Fasteners

- Use minimum 6d common nails for panels 1/2" or less.
- Use minimum 8d common nails for panels 5/8" to 1".
- Use 8d ring shank or 10d common nails for 1-1/8" panels.
- 7/16" crown 15 ga. staples with 1-1/2" legs may be used when roof construction does not need to meet diaphragm strength criteria complying with HUD/FHA UM 25d.
- Apply fasteners 3/8" from panels' edges.
- Space fasteners 6" o.c. along supported edges, 12" o.c. at intermediate supports. Ensure that all corners are securely fastened.
- For 48" o.c., all fastener spacing should be 6" o.c.

MAXIMUM ROOF SPANS AND LIVE LOADS									
Maximum Span (inches)				Allowable Live Loads (PSF)					
Panel Span Rating	Panel Thickness	With Edge Support	Without Edge Support	12"	16"	Spacing of Supports Center to Center			
				20"	24"	32"	40"	48"	
24/16	7/16"	24"	24"	190	100	65	40		
32/16	15/32" or 1/2"	32"	28"	225	180	120	70	30	
40/20	5/8"	40"	32"		305	205	130	60	30

1. The allowable spans were determined using a dead load of 10 psf. If dead load exceeds 10 psf, then the live load should be reduced accordingly.
2. Tongue & groove edges, H-clips (one between each support except two between supports 48" o.c.), lumber blocking or other.

Warning: Huber OSB Sheathing may be extremely slippery when wet, covered with frost, ice, snow or when covered with sawdust. Installers of Huber OSB should wear rubber-soled footwear and exercise caution, especially on roof slopes exceeding 4 in 12 pitch.

WALL SHEATHING

Huber Blue sheathing panels may be installed parallel or perpendicular to framing members. If perpendicular, block horizontal joints in panels used as bracing. All panel ends and edges must be spaced 1/8" at time of installation. Cover with approved finished siding following manufacturer's recommendations.

Fasteners: Use minimum 6d common nails, 7/16" crown 15 ga. staples with 1-1/2" legs may be used when sidewall construction does not need to meet diaphragm strength criteria complying with HUD/FHA UM 25d. Apply fasteners 3/8" from panel edges. Space fasteners 6" o.c. along supported edges, 12" o.c. at intermediate supports. Ensure that all corners are securely fastened. *Note: Huber Blue OSB is not recommended for residential siding.*

SUBFLOORS

When Huber Blue OSB sheathing panels are used in a two-layer floor system, a minimum 1/4" underlayment should be applied. Panels should be installed over two or more spans with the long dimension perpendicular to the supports. All panel edges and ends should be spaced 1/8" at time of installation. When installing lightweight concrete, ceramic tile or 3/4" wood strip flooring, follow the manufacturer's instructions for subfloor preparation.

Fasteners: Use minimum 6d common nails for panels 1/2" or less. Use minimum 8d common nails for panels 5/8" to 1". Apply fasteners 3/8" from panel edges. Space fasteners 6" o.c. along supported edges, 10" o.c. at intermediate supports. Ensure that all corners are securely fastened. For 48" o.c., all fastener spacing should be 6" o.c.

MAXIMUM SUPPORT SPACING

Panel Span Rating	Panel Thickness	Siding Nailed Thru Sheathing To Studs	Siding Nailed Thru To Sheathing
24/16	7/16"	24" o.c.	24" o.c.
32/16	15/32" or 1/2"	24" o.c.	24" o.c.

MAXIMUM SUPPORT SPACING

Panel Span Rating	Panel Thickness	Maximum Span
24/16	7/16"	16" o.c.
32/16	15/32" or 1/2"	16" o.c.
40/20	5/8"	20" o.c.

1. Panels shall be covered with 1/4" or thicker underlayment, or 1-1/2" of approved cellular or lightweight concrete, gypsum concrete, or 3/4" wood strip finish flooring or edges shall be supported by blocking.
2. Panels may be used at the rated floor span, with a live load not to exceed 85 psf and a dead load not to exceed 25 psf.
3. Span may be 24" if covered by 3/4" wood strip flooring at right angles to joists.

Sales Office:

10925 David Taylor Drive, Suite 300
Charlotte, NC 28262
Tel: 800-933-9220
Fax: 704-547-9228
www.huberwood.com

Manufacturing Locations:

Easton, Maine
Commerce, Georgia
Crystal Hill, Virginia
Whites Creek, Tennessee
Broken Bow, Oklahoma



**ENGINEERED
WOODS**

DEFINING INNOVATION.