Weyerhaeuser

WEYERHAEUSER OSB
9' x 4' WALL SHEATHING



ENGINEERED FOR RELIABILITY

Weyerhaeuser OSB 9' x 4' wall sheathing panels are engineered specifically to provide you with even faster installation and better product performance.

- 9-foot sheathing height permits one-panel sheathing coverage for taller walls that are increasingly designed in today's quality homes.
- Cross-orientation (panel strength axis in the 4-foot panel direction) provides increased panel stiffness across the wall studs and improved stability.
- These 9' x 4' wall sheathing panels are manufactured to the same high standards and precise product specifications as all Weyerhaeuser OSB panels.

THE WEYERHAEUSER OSB ADVANTAGE

Using Weyerhaeuser OSB results in faster installations, better product performance, and a stronger reputation that will keep people coming to you.

The Value of Weyerhaeuser OSB

- Consistent product quality
- Limited 20-year warranty against delamination
- Available throughout North America
- Commitment to on-time delivery

OUR COMMITTMENT

Weyerhaeuser OSB is engineered to get the most from each tree. Each panel is precisely engineered for its particular end use and is extremely uniform, reducing waste. This efficient use of our precious natural resources is consistent with Weyerhaeuser's philosophy of responsible environmental stewardship and comes from over 100 years experience in forest management.

MADE BY NATURE
Engineered by Weyerhaeuser OSB
Weyerhaeuser

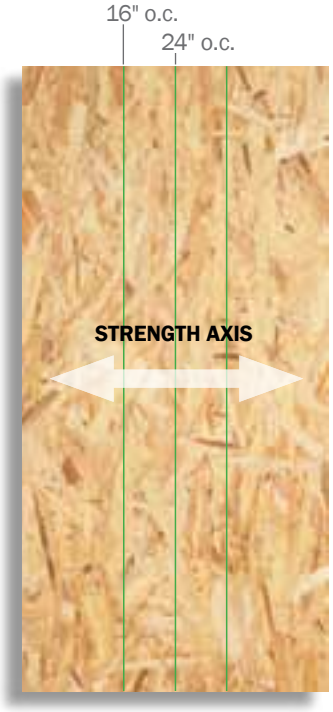
PRODUCT SPECIFICATIONS

Weyerhaeuser OSB sheathing is manufactured to meet the requirements of the Voluntary Product Standard PS 2, which is recognized by:

- the current codes of the International Code Council and its members (IBC, IRC); and
- the National Fire Protection Association's NFPA 5000 code.

In Canada, Weyerhaeuser OSB sheathing also meets comparable requirements (CSA O325) recognized by the National Building Code of Canada and accepted by the Canada Mortgage and Housing Corporation (CMHC).

WEYERHAEUSER 9' x 4' PANEL



- Vertical nail lines at 16" and 24" centers allow faster, easier installation.
- Use appropriate fasteners at the recommended schedule and gap panels at ⅛" (3 mm) on ends and edges of each panel to avoid buckling.
- Refer to code-compliant nailing schedules for installation details.

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WEYERHAEUSER OSB 9 X 4 WALL SHEATHING

ALLOWABLE SHEAR (PLF) FOR APA PANEL SHEAR WALLS

with framing of Douglas Fir-Larch or Southern Pine(1) for wind(2),(3),(4),(5),(6) or seismic(3),(4),(5),(7) loading

				Panels applied Direct to Framing			
				Nail Spacing at Panel Edges			
Panel Grade	Minimum Nominal Panel Thickness	Minimum Nail Penetration in Framing	Nail size (common or galvanized box)(8)	6"	4"	3"	2"(9)
Weyerhaeuser Structural 1 OSB	3/8"	1 3/8"	8d	230(10)	360(10)	460(10)	610(10)
	7/16"			255(10)	395(10)	505(10)	670(10)
	15/32"			280	430	550	730
	15/32"	1 1/2"	10d	340	510	665(11)	870
Weyerhaeuser OSB Sheathing	3/8"	1 1/4"	6d	200	300	390	510
	3/8"	1 3/8"	8d	220(10)	320(10)	410(10)	530(10)
	7/16"			240(10)	350(10)	450(10)	585(10)
	15/32"			260	380	490	640
	15/32"	1 1/2"		310	460	600(11)	770
	19/32"			340	510	665(11)	870

(1) For framing of other species:
a) Find specific gravity for species of lumber in the AWC National Design Specification (NDS).
b) For common or galvanized box nails, find shear value from table above for nail size for actual grade.
c) Multiply value by the following adjustment factor: Specific Gravity Adjustment Factor = [1 – (0.5 – SG)], where SG = specific gravity of the framing. This adjustment shall not be greater than 1.

(2) For wind load applications, the values in the table above shall be permitted to be multiplied by 1.4.

(3) All panel edges backed with 2" nominal or wider framing. Install panels either horizontally or vertically. Space nails maximum 6" o.c. along intermediate framing members for 3/8" and 7/16" panels installed on studs spaced 24" o.c. For other conditions and panel thicknesses, space nails maximum 12" o.c. on intermediate supports. Fasteners shall be located 3/8" from panel edges.

(4) Where panels applied on both faces of a wall and nail spacing is less than 6" o.c. on either side, panel joints shall be offset to fall on different framing members, or framing shall be 3" nominal or thicker at adjoining panel edges and nails on each side shall be staggered.

(5) Galvanized nails shall be hot-dip or tumbled.

(6) For shear loads of normal or permanent load duration as defined by the NDS, the values in the table above shall be multiplied by 0.63 or 0.56 respectively.

(7) In Seismic Design Category D, E, or F, where shear design values exceed 350 plf, all framing members receiving edge nailing from abutting panel edges shall not be less than a single 3" nominal member, or two 2" nominal members fastened together to transfer the design shear value between framing members. Wood structual panel joint and sill plate nailing shall be staggered in all cases. See IBC or AWC *Special Design Provisions for Wind and Seismic* (SDPWS) for sill plate size and anchorage requirements.

(8) For nail dimensions, see Table 6 on page 14 of APA's *Engineered Wood Construction Guide* (2016).

(9) Framing at adjoining panel edges shall be 3" nominal or wider, and nails shall be staggered where nails are spaced 2" o.c. Check local code for variations of these requirements.

(10) Allowable shear values are permitted to be increased to values shown for 15/32" sheathing with same nailing provided:
a) studs are spaced a maximum of 16" o.c., or
b) panels are applied with long dimension across studs.

(11) Framing at adjoining panel edges shall be 3" nominal or wider, and nails shall be staggered where 10d nails (3" x 0.148") having penetration into framing of more than 1½" are spaced 3" o.c. Check local code for variations of these requirements.

Source: *Table 23* of APA – The Engineered Wood Association, Form No. E30W, *Wall Construction, An Excerpt of the Engineered Wood Construction Guide (2016).* Reprinted with permission from APA.

Table General Notes

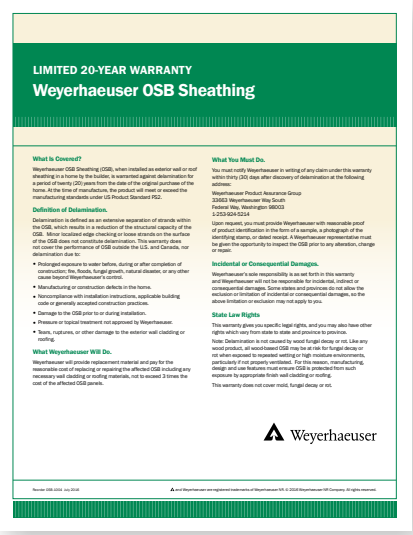
- For aspect ratios greater than 2:1 and for additional information, refer to ANSI/AWC Special Design Provisions for Wind and Seismic.
- Values shown apply to Weyerhaeuser Structural 1 OSB and Weyerhaeuser OSB sheathing with an APA trademark.

WALL SHEATHING INSTALLATION

- Weyerhaeuser OSB 9' x 4' wall sheathing panels are intended to be used only in wall applications and installed vertically (9-foot direction parallel to the studs).
- Wall sheathing panels may be used with stud spacing of 24" o.c. or less. All other installation details (panel spacing, code-compliant nailing schedules, etc.) are the same as standard wall sheathing. Check local code for requirements.
- For more information on installation, design and storage, visit *weyerhaeuser.com/woodproducts*.

Member of

APA


LIMITED 20-YEAR WARRANTY
Weyerhaeuser OSB Sheathing

What Is Covered?

Weyerhaeuser OSB Sheathing (OSB), when installed as exterior wall or roof sheathing in a home by the builder, is warranted against delamination for a period of twenty (20) years from the date of the original purchase of the home. At the time of manufacture, the product will meet or exceed the manufacturing standards under US Product Standard PS2.

Definition of Delamination.

Delamination is defined as an extensive separation of strands within the OSB, which results in a reduction of the structural capacity of the OSB. Minor localized edge checking or loose strands on the surface of the OSB does not constitute delamination. This warranty does not cover the performance of OSB outside the U.S. and Canada, nor delamination due to:

- Prolonged exposure to water before, during or after completion of construction; fire, floods, fungal growth, natural disaster, or any other cause beyond Weyerhaeuser's control.
- Manufacturing or construction defects in the home.
- Noncompliance with installation instructions, applicable building code or generally accepted construction practices.
- Damage to the OSB prior to or during installation.
- Pressure or topical treatment not approved by Weyerhaeuser.
- Tears, ruptures, or other damage to the exterior wall cladding or roofing.

What Weyerhaeuser Will Do.

Weyerhaeuser will provide replacement material and pay for the reasonable cost of replacing or repairing the affected OSB including any necessary wall cladding or roofing materials, not to exceed 3 times the cost of the affected OSB panels.

What You Must Do.

You must notify Weyerhaeuser in writing of any claim under this warranty within thirty (30) days after discovery of delamination at the following address:

Weyerhaeuser Product Assurance Group
33663 Weyerhaeuser Way South
Federal Way, Washington 98003
1-253-924-5214

Upon request, you must provide Weyerhaeuser with reasonable proof of product identification in the form of a sample, a photograph of the identifying stamp, or dated receipt. A Weyerhaeuser representative must be given the opportunity to inspect the OSB prior to any alteration, change or repair.

Incidental or Consequential Damages.

Weyerhaeuser's sole responsibility is as set forth in this warranty and Weyerhaeuser will not be responsible for incidental, indirect or consequential damages. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

State Law Rights

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province.

Note: Delamination is not caused by wood fungal decay or rot. Like any wood product, all wood-based OSB may be at risk for fungal decay or rot when exposed to repeated wetting or high moisture environments, particularly if not properly ventilated. For this reason, manufacturing, design and use features must ensure OSB is protected from such exposure by appropriate finish wall cladding or roofing.

This warranty does not cover mold, fungal decay or rot.

Weyerhaeuser

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