

LP BURNGUARD™ FRT OSB INSTALLATION INSTRUCTIONS

GENERAL REQUIREMENTS

- LP BurnGuard™ panels are manufactured by directly blending the fire-retardant treatment with the wood strands, prior to pressing, to provide coverage throughout the panel in accordance with the International Building Code (IBC) and the International Residential Code (IRC) for fire-retardant-treated wood by “Other means during manufacture.”
- LP BurnGuard FRT OSB is currently available in two Performance Categories of APA Rated Sheathing (i.e., PS 2 “Sheathing” grade) (see Table 1).
- Panels are nominal 4 ft. by 8 ft., reduced 1/8-in. to allow for proper spacing during installation.
- LP BurnGuard FRT OSB is intended for the following uses:
 - Exterior walls of Type III construction.
 - Nonbearing partitions and nonbearing exterior walls of Type I and II construction.
 - Other interior applications where FRT wood sheathing is permitted by code.
 - Subfloor sheathing.
- **For 15/32 LP BurnGuard FRT OSB only:**
 - Roof sheathing for townhouses.
 - Other roof applications where FRT wood sheathing is permitted by code.

NOTE: LP BurnGuard FRT OSB is **NOT** “exterior” as defined in the IBC and IRC, so **cannot** be used in applications exposed to the weather or otherwise exposed to damp or wet conditions, other than temporary exposure during construction.

- Prior to installation, ensure design compliance with all applicable state and local codes and other requirements, including, where applicable, those of your local building department.
- Install in accordance with all state and local codes, manufacturer’s instructions, the current APA Engineered Wood Construction Guide (Form E30), and any other applicable requirements when installing LP BurnGuard FRT OSB.
- Refer to LPCorp.com/Product-Literature for additional product information.
- Exercise safe practices at all times while handling the product. Wear gloves and protective eye/face equipment and clothing. Wear respiratory protection to avoid breathing or ingesting dust, mist or fumes. Wash hands thoroughly after handling. **DO NOT** eat, drink or smoke when using this product. Cut, saw or use this product in a well-ventilated space or outdoors. Dispose of this product responsibly. **DO NOT** burn this product.

STORAGE AND HANDLING

- Store LP BurnGuard panels in clean, dry areas off the ground and well supported on a flat surface.
 - Keep a minimum of 3 in. clearance from the ground.
 - **DO NOT** stack higher than four units.
 - Space stacks a minimum of 6 in. on all sides.
- If possible, store indoors. If stored outside, LP BurnGuard panels must be kept covered prior to installation. If possible, keep the panels in the LP BurnGuard FRT OSB unit cover. Otherwise, cover with plastic sheets or tarps, and keep open and away from the sides and bottom of panels to allow for air circulation.
- Additional protective measures may be necessary during extended adverse weather conditions.
- Handle LP BurnGuard panels as you would other APA-certified LP® sheathing products. Be careful not to drop on corners or crush panel edges. Keep panels well-supported and neatly stacked to prevent warping.

- Inspect panels prior to installation. DO NOT use damaged panels unless undamaged portions can be salvaged for fill-in pieces.

DESIGN

- Design and install in accordance with APA Product Report® PR-N141, Intertek Code Compliance Research Report CCRR-0588, and any project specifications.
- Table 1 lists the appropriate panel grade and Span Ratings for each Performance Category of LP BurnGuard FRT OSB.
- **WALL AND SUBFLOOR SHEATHING:**
 - For use as braced wall panels and for design of shear walls, and floor diaphragms, LP BurnGuard FRT OSB is designed with the full capacity of the Performance Category as Sheathing grade, with no reduction.
 - For all other wall and subfloor sheathing design considerations (including gravity and out-of-plane wind loads), LP BurnGuard FRT OSB is designed with the equivalent Wall & Subfloor Span Rating as Sheathing grade as shown in Table 1, with no further reductions (refer to APA Product Report PR-N141).

- **ROOF SHEATHING:**

NOTE: 7/16 LP BurnGuard FRT OSB is **NOT** permitted for use as roof sheathing.

- For design of roof diaphragms, LP BurnGuard FRT OSB is designed with the full capacity of the Performance Category as the Sheathing grade, with no reduction.
- For all other roof sheathing design considerations (including gravity loads and out-of-plane wind loads), LP BurnGuard FRT OSB is designed to the Roof Span Rating as Sheathing grade as shown in Table 1, with no further reductions (refer to APA Product Report PR-N124).

INSTALLATION

- Confirm fastening details with code and project specifications prior to installation of panels.
- LP BurnGuard FRT OSB panels used in a fire-resistance-rated assembly must be installed in accordance with the specified assembly.
- **Panel direction:**
 - Wall panels: May be installed vertically or horizontally.
 - Roof and subfloor panels: Must be installed with the long dimension or major strength axis of the panel across the supports.
 - Panels shall be continuous over two or more spans.
 - Panel end joints shall occur over framing.
 - When required or specified, support panel edges with panel edge clips (H-clips), lumber blocking or other approved means installed between supports.
- Provide 1/8-in. space between all panel ends and edges. Use a spacer tool (e.g., a 10d box nail) to ensure accurate and consistent spacing.
- In addition to the nailing requirements stated below, the fastener type, size and spacing must meet all code requirements to resist all applied loads, including lateral loads, out-of-plane loads and to support the weight of all attached materials.
- Traditional carbon-steel fasteners may be used in accordance with the IBC and IRC for “Fasteners for fire-retardant-treated wood used in interior applications.” Galvanized (zinc-coated) and other corrosion-resistant fasteners are not required for use with LP BurnGuard FRT OSB but may be used as specified or required by local code.

NOTE: Corrosion-resistant fasteners may be required for the framing to which the panels are being attached.

- In the absence of specific code requirements or project specifications:
 - Wall panels: Use minimum 6d (2" x 0.113" diameter) common nails.
 - Roof panels: Use minimum 8d (2-1/2" x 0.131" diameter) common nails.
- Space nails no wider than 6 in. oc along supported panel ends and edges, and 12 in. oc at intermediate supports.
- Drive nails 3/8 in. from panel edges.
- Install nail heads flush with the panel surface.
- Larger nails or tighter nail spacing may be required by code or project specifications.
- Other fasteners may be used as approved by the building official or as specified by the designer of record.

Table 1: LP BurnGuard™ FRT OSB PS 2 Panel Ratings

Performance Category	PS 2 Panel Grade	Span Rating		
		APA Trademark ¹	Roof	Wall & Subfloor
7/16	Sheathing	Wall-24	Not Allowed	Wall-24, 24/16 ²
15/32	Sheathing	24/16	24/16	32/16 ³

¹ Span Rating stamped on the panels as part of the APA Trademark.

² 7/16 LP BurnGuard FRT OSB meets the PS 2 requirements for the 24/16 Span Rating only when used as wall or subfloor sheathing.

³ 15/32 LP BurnGuard FRT OSB meets the PS 2 requirements for the 32/16 Span Rating only when used as wall or subfloor sheathing.

For a copy of the limited warranty or for installation and technical support visit: LPCorp.com

Phone: 800-334-3551

Email: customer.support@lpcorp.com



For product catalog & complete warranty details, visit LPCorp.com

⚠ WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

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