LP FLAMEBLOCK
FIRE-RATED OSB SHEATHING

General Requirements

- Comply with local safety regulations when installing roof, wall, or subfloor sheathing.

- Comply with the following manufacturer's instructions and with APA's Engineered Wood Construction Guide Form E30U (September 2007) or the current equivalent.

Storage and Handling

- Store panels in clean, dry areas off the ground. If possible, store indoors. If stored outside, cover with plastic sheets, tarps or the LP® FlameBlock® Fire-Rated OSB Sheathing unit cover. Keep cover 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.

Roof Installation

- Place the skid-resistant side up with the white fire-resistant surface facing down and wear skid-resistant shoes when installing LP FlameBlock Fire-Rated OSB Sheathing as roof sheathing on either side of a partition wall in multifamily residential buildings, or in any application where reducing the spread rate of an interior fire is the intent of the code requirement. Install LP FlameBlock Fire-Rated OSB Sheathing with the white Pyrotite® side facing upwards when used under EPDM roof membranes and in other applications where reducing the spread rate of fire from an exterior source is the intent.

- Install with the long dimension or strength axis of the panel across supports and with the panel continuous over two or more spans.

- Provide 1/8 in. space at panel ends and edges. Use a spacer tool (i.e. 10d box nail) to ensure accurate and consistent spacing.

- Panel end joints shall occur over framing. Stagger end joints in each succeeding row.

- For panels in the 7/16 and 15/32 category, provide additional panel stiffness by installing panel edge clips mid-span on all unsupported edges.

- Nail 6 in. o.c. along supported panel ends and edges and 12 in. o.c. at intermediate supports. Fasten panels 3/8 in. from panel edges. Use 8d common nails for panels up to 1 in. thickness. For panels over 1 in. use 8d ring-shank or 10d common nails. Other code-approved fasteners may be used.

- Install nail heads flush with the panel surface. For overdriving nails, please refer to the FlameBlock Repair Kit document.

- Cover roof sheathing as soon as possible with roofing felt or shingle underlayment for protection against excessive moisture

prior to roofing. If any edge swelling occurs prior to roof underlayment installation, the exposed wood substrate side of panels with raised joints should be sanded flat.

- Remove wrinkles and flatten surface of shingle underlayment before installing shingles. High performance shingle underlayment is recommended for better results.

- Heavier weight and/or textured shingles are recommended to better mask imperfections in roofing assembly.

- When installed as roof deck in open eaves, the exposed underside of panels, as well as any exposed edges, must be coated with exterior-grade paint.

NOTE: Check with your local building department before deciding on an installation method.

Wall Installation

- LP FlameBlock Fire-Rated OSB Sheathing panels should be installed as specified in the relevant fire-rated assembly. In the absence of a listed fire-rated assembly, panels should be installed vertically with the horizontal joints blocked.

- When installing LP FlameBlock Fire-Rated OSB Sheathing in walls, consult approved construction plans to determine the proper orientation of the white, fire-resistant panel surface.

- Provide 1/8 in. space between panel ends and edges. Use a spacer tool (i.e. 10d box nail) to ensure accurate and consistent spacing.

- Install nail heads flush with the panel surface. For overdriving nails, please refer to the FlameBlock Repair Kit document.

- At minimum, nail 6 in. o.c. along supported panel ends and edges and 12 in. o.c. at intermediate supports. Fasten panels 3/8 in. from panel edges. Use 6d common nails for panels up to 1 in. thickness. For panels over 1 in. use 8d ring-shank or 8d common nails. Other code-approved fasteners may be used. For additional fastening requirements, refer to Figure 3. NOTE: For shear walls, use the fastener type and spacing specified in approved construction documents.

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