

FLAMEDXX® Fire Retardant OSB

Storage, Handling and Installation Guidelines FLAMEDXX® Fire Retardant OSB

FLAMEDXX® Fire Retardant OSB is for use in interior (coated 1 side) and exterior (coated 2 sides) applications and may only be used in above-ground locations. Protect the panels from precipitation, regular condensation, extreme humidity and other wetting situations. Over a period of time, exposure of FLAMEDXX® Fire Retardant OSB to these conditions could reduce fire retardant properties.

- FLAMEDXX® Fire Retardant OSB should not be used in damp areas such as crawl spaces.
- Do not use FLAMEDXX® Fire Retardant OSB in direct contact with damp concrete structures or masonry walls.

Storage

- Store panels flat on a level platform, elevated so they will not touch the ground.
- Lay boards (or stringers) on top of stacked panels to maintain an air space between the panels and the covering.
- Cover the bundles to prevent damage from potential wetting. Do not allow excessive moisture build-up in storage area.
- If possible, store indoors. When stored outside, tie down the ends of the covering away from the sides and bottoms of the stack to allow air flow around the stack.
- If panels are stored for longer than one or two days, cut the plastic strapping bands to prevent compression of panel edges when panels swell.

Handling

- FLAMEDXX® Fire Retardant OSB is no more toxic than wood and will not harm those involved in use and handling of the product.
- Follow all local and practical safety guidelines.
- Follow normal safety and hygiene practices for work with untreated OSB.
- Wear gloves to avoid splinters.
- Use a dust mask and eye protection when using power tools.
- Wash hands after working with the product.
- Cut or machine the panels in a well-ventilated area.
- Always handle the product in a way to prevent damage to its surface or edges. Do not drag or drop.

Installation (Roofing Applications – FLAMEDXX coated 1 Side)

- Take care not to drop panels on edges. Structural integrity of the panels will not be affected; however, more time will be required during installation due to edge damage, especially when using tongue-and-groove edges.
- Install FLAMEDXX according to local building code requirements.
- For roofing applications, **always install the fire retardant (orange-tinted) side facing toward the attic space** (interior of the attic space). This will cause the skid-resistant surface to face upwards.
- Ensure that the finished attic space is properly ventilated according to local building code requirements, to ensure adequate air flow, moisture control, and heat reduction.
- It is the responsibility of the building owner or agent (builder, architect, engineer etc.) to ensure that ventilation is provided to the level required by applicable building codes.
- After installation, protect panels with a temporary covering or immediately install roofing felt or approved underlayment.
- Enclose the structure and finish the walls, siding and roofing as soon as possible.
- If panels become wet during installation, allow to dry completely before enclosing the area or covering with roofing material.

Installation (Interior Wall, Ceiling and Floor Applications – FLAMEDXX coated 1 side)

- Install the panels in accordance with the requirements for wood structural panels as described in Section 23 of the

International Building Code or Sections R604 and R803.2 of the International Residential Code.

- In all applications, **always install the fire retardant (orange-tinted) side facing toward the interior of the building.**

Installation (Exterior Walls Type III Construction – FLAMEDXX coated 2 sides)

- Install the panels in accordance with the requirements for wood structural panels as described in Section 23 of the International Building Code or Sections R604 and R803.2 of the International Residential Code.
- Apply quality commercial grade house wrap or spray-on acrylic equivalent as soon as practical after wall assembly.

Fasteners

- Galvanized steel hardware is recommended. Although the FLAMEDXX formula does not increase the corrosion rate of bare steel, the galvanizing process provides an extra margin of safety in moist conditions.

Nailing Patterns

- Nail every 6" o.c. – supported ends and edges.
- Nail every 12" o.c. – intermediate supports.
- Nail 3/8" from edge of panels.
- Use 6d common nails for 7/16", 15/32", 19/32" 23/32" thick panels.
- Use 8D common or ring shank nails on panels 1" or thicker.
- Shear walls – refer to architect or engineer drawings for project.
- Recommend spacing wall and roof panel 1/8".
- Use clips where panels meet mid-span on roof structures.

Appearance and Finishing

- Ensure that FLAMEDXX® Fire Retardant OSB is dry and clean before finishing.
- The panels should only be painted after the structure is enclosed to let the OSB dry within acceptable standards.
- Test coating systems before final finishing ensuring desired results for practical use.
- FLAMEDXX® Fire Retardant OSB cannot be sanded on a coated side.

Limitations

- FLAMEDXX® Fire Retardant OSB is designed for interior applications (coated 1 Side) and exterior applications (coated 2 sides).
- Use in above ground locations.
- Protect from precipitation, regular condensation, extreme humidity, and any other situation which may cause the product to become wet
- Do not use in damp crawl spaces.
- Do not use in direct contact with concrete floors, damp concrete walls or masonry walls.
- FLAMEDXX® Fire Retardant OSB cannot be sanded on the coated side.

Customer Service Questions

615-297-2000

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