

Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating

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FEATURES

High Density Wood Fiber

Primed Red Coating

Code Approvals

LEED Credits

BENEFITS

- Stable "R-Value"
- Solid substrate for traffic resistance
- Non-compressible substrate for improved hail resistance
- Seals insulation surface to minimize dusting
- Minimizes absorbance of single ply bonding adhesive
- Compatible with membrane adhesives for strong adhesive bond
- Tested for use in wide variety of roof systems
- Fire & uplift pressure rated assemblies
- 20% Pre-Consumer Recycled Content
- 6% Rapidly Renewable Content
- No urea formaldehyde added
- Manufactured in Danville, VA 24541

DESCRIPTION

Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating consists of a high density wood fiber insulation coated on 2 sides with a red primed surface coating. Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating is manufactured using 20% by weight of pre-consumer recycled content. Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating meets the requirements of ASTM C208, Type II, Grades 1 & 2.

BASIC USES

Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating is used as a durable roof insulation board substrate under variety of low slope BUR, MB, and Single Ply roof systems in hot and cold applied configurations. It is recommended as an overlay board for polyisocyanurate insulation. It may also be used in single or multiple layer configurations in approved roof constructions.

Refer to UL Roofing Materials Systems Directory and/or FM Approvals RoofNav for applicable roof system configurations.

SIZE/ PACKAGING

Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating is available in truckload quantities. Boards are packaged on dunnage and pallets are covered with a loose plastic shroud and banded. Standard thickness is 1/2" (13 mm).

BOARD SIZE	SQ/PALLET	PIECES/ PALLET	WEIGHT/ PALLET
4' x 4' (1220 mm x 1220 mm)	14.4	90	1008 lbs
4' x 8' (1220 mm x 2440 mm)	28.8	90	2016 lbs

STORAGE

Insulation must be dry and kept dry. When stored outdoors, stack insulation on pallets at least 4 inches (100mm) above ground level. Upon receipt of insulation on the job site, cover the top and sides of the insulation with waterproof tarpaulin (not polyethylene) and secure. Do not stack more than two pallets high.

APPLICATION

Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based on the condition of your roof. Deck must be properly designed and structurally sound.

Structural Decks: Must be properly designed and structurally sound.

Drainage: Ponding conditions are unacceptable and will adversely affect the performance of any roofing system. If positive drainage does not exist, water removal from the roof

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APPLICATION CONTINUED

surface must be facilitated by lowering drains, and/or installing additional drains, tapered insulation, or Tremco approved lightweight concrete slope system.

Surface Preparation: Prior to installing the insulation, the substrate must be clean, dry and free of dust, dirt, oil, or other contaminants. Concrete and gypsum decks must be properly cured and sufficiently dry prior to installing insulation.

Installation: Rows of insulation shall be offset and staggered a minimum of 2', so that the 4 corners of 4 boards do not directly connect.

Multiple Layers: The use of two separate layers of roof insulation is recommended, especially over steel decks. Two layers can minimize stress on the roof membrane which results from thermal movement of the deck. After securing the first layer of insulation, install the additional layer(s) with board joints offset a minimum 6 inches (150 mm) from the joints of the preceding layer.

Adhesive Application: Follow application instructions for adhesive regarding priming of surfaces, if required. Tremco Low Rise Foam Insulation Adhesive is acceptable for use to adhere Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating.

Bitumen Application: Hot applied bitumen can be used to adhere Tremco/Blue Ridge Fiberboard Structodek HD with Primed Red Coating to concrete decks, base sheets which are mechanically attached to nailable decks, and to insulation layers(s) previously secured. Concrete decks should be primed with Tremprime WB and allowed to thoroughly dry. Adhere insulation to substrate in a full coverage of hot applied bitumen, at a coverage rate of 30 lbs. per 100 sq. ft (1.5 kg/m²) ± 20%. Place insulation immediately into the hot bitumen and step into place to achieve a solid bond.

Mechanical Fastener Application: Tremco Fasteners and Discs are recommended where mechanical attachment of the insulation is specified over steel and wood decks. Do not mix fasteners and discs of different brands unless the combination has been specifically tested and approved by Tremco. Fasteners must be driven perpendicular to the deck. Do not overdrive the fastener, as the insulation may fracture and become susceptible to loss of attachment. Fastener should be driven tight enough so that the disc will not turn.

LIMITATIONS

- Not intended for use under ponding conditions. Positive drainage required.
- Insulation stops are required on roofs with slopes greater than 2:12 (2" per foot).
- Not for use in direct contact with lightweight insulating concrete or recently poured gypsum decks.
- Not intended for exposure to direct flame, since board may smolder or burn. A base sheet must be hot mopped prior to any torch down MB application.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Compressive Strength, min	15 lbf/in ²	ASTM C165
Tensile Strength Perpendicular to surface, min	600 lbf/ft ²	ASTM C208
Linear Expansion	0.5%	ASTM C208
Thermal Resistance at 75°F	R-Value = 1.3 for ½" board	ASTM C518
Weight per Square	70 lbs. per ½" board	
Maximum Flute Spanability	1-5/8" for ½" board	
Pre-Consumer Recycled Content	20%	
Rapidly Renewable Content	6%	

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MAINTENANCE

Your local Tremco Roofing representative can provide you with effective maintenance procedures, which may vary depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the service of the Tremco Service Staff.



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