

Product Data Sheet



Structodek™ High Density (HD Fiberboard Roof Insulation Cover Board with Primed Red Coating

Item Description	Item Number
0.5" (12.7 mm) x 4' x 4' (1.22 m x 1.22 m)	W563588531
0.5" (12.7 mm) x 4' x 4' (1.22 m x 1.22 m)	W563588532
1.0" (25.4 mm) x 4' x 4' (1.22 m x 1.22 m)	W563588533
1.0" (25.4 mm) x 4' x 4' (1.22 m x 1.22 m)	W563588534

Description

Structodek High Density Fiberboard Roof Insulation is wood fiber insulation with a proprietary coating on two sides that may be used as a recovery board or to provide insulating value in low-slope roofing applications. Structodek HD Fiberboard may be used with all GenFlex single-ply, ballasted, fully adhered, and mechanically attached roofing systems.

Advantages

1. High-density wood fiberboard provides superior adhesion without excess absorption.
2. Structodek HD Fiberboard has the highest transverse strength properties in the roofing industry.
3. The proprietary coating contains no asphalt and is applied to all surfaces.
4. Compatible with ballasted, fully adhered and mechanically attached single-ply warranted systems.
5. A lightweight, high compressive-strength board that contains no fiberglass and cuts easily with a utility knife.

Method of Application

1. Structodek HD Fiberboard shall be neatly fitted to all roof penetrations, projections, and nailers.
2. No more Structodek HD Fiberboard shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather. Structodek HD Fiberboard should not be installed in any situations where moisture is expected.
3. Install and attach per GenFlex specifications.
4. **Structodek HD Fiberboard Must Be Installed Using:** Fasteners and plates, hot asphalt or GenFlex approved insulation adhesives.

Storage

- Keep Structodek HD Fiberboard dry at all times.
- Elevate Structodek HD Fiberboard above the deck or ground.
- Cover Structodek HD Fiberboard with waterproof tarps.

Precautions

- Combustible. Do not torch directly to Structodek HD Fiberboard.
- Do not install over wet, damp, or uneven substrates.
- Refer to Safety Data Sheets (SDS) for additional safety information.

LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 15%
 Rapidly Renewable Content: 6%
 Low-Emitting Material: No added urea-formaldehyde
 Manufacturing Location: Danville, Virginia
NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Specification Compliance

- ASTM C208, Type II, Grade 1, and Grade 2
- ANSI/AHA A 194.1 Type VI
- UL Classified
- FM Approved

Typical Properties		
Property	0.5" (12.7 mm)	1.0" (25.4 mm)
Transverse Strength, min, lbf (N)	14 (62.3)	24 (107)
Tensile Strength Parallel, min, lbf/in ² (kPa)	150 (1,034)	150 (1,034)
Tensile Strength Perpendicular, min, lbf/ft ² (kPa)	600 (28.7)	600 (28.7)
Vapor Permeance, grains/hr•sq ft•in Hg pressure differential, (mg/s•m ² kPa), actual	23.7 (1.36)	23.7 (1.36)
Water Absorption by volume, max, %	7	7
Moisture Content by weight, max, %	10	10
Linear Expansion 50-90% RH, max, %	0.5	0.5
Modulus of Rupture, min, lbf/in ² (kPa)	275 (1,896)	140 (965)
Deflection at Specified Min. Load, max in (mm)	0.75 (19)	0.42 (11)
Flute Spanability max width, in (mm)	1 ⁵ / ₈ (41)	2 ⁵ / ₈ (67)
R-Value ft ² •h• °F/btu in	1.3	2.5

NOTE: Other thicknesses available upon request as special orders
NOTE: Structodek is a registered trademark of Blue Ridge Fiberboard, Inc.

Please contact Amrize Technical Services at 800-428-4511 for further information.

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