

# STRUCTODEK® HD with Red Primed Coating

## IB Roof Systems®

### Product Description:

STRUCTODEK® HD is cellulosic fiber board with a proprietary, patented, non-asphaltic Primed Red Coating integrated on the surface that provides a unique bonding characteristics that results in superior adhesion capabilities with compatible single-ply membranes for low slope roof applications. The Primed Red Coating, unlike asphalt emulsion coated products, has proven to be compatible with traditional, low VOC and water-based adhesives as well as many foam adhesives. The Primed Red Coating allows adhesives & foams to “key” into the STRUCTODEK® HD surface while at the same time deterring excessive adhesive absorption. The unique Primed Red Coating allows for a solid membrane bond while still providing optimal square foot per gallon of adhesive coverage thus insuring a quality & cost-effective membrane installation.

### Packaging:

STRUCTODEK® HD with Red Primed Coating Roof Board is available in standard thicknesses of 1/2" x 4' x 4' and 4' x 8' panels.

### Features:

- Compatible with most low VOC, water-based and traditional adhesives
- Green, non-asphaltic coating – contributes to LEED credits
- Possesses SOUNDSTOP® sound deadening technology
- Lightweight, fiberglass free, cuts with a standard utility knife
- Covered component under the IB Total Systems Warranty

### Application:

STRUCTODEK® HD with Red Primed Coating Roof Board can be installed over approved substrates in mechanically attached, or cold adhesive roof assemblies. Refer to IB Specifications and Construction Details for additional installation instructions.

### Moisture Management:

STRUCTODEK® HD with Red Primed Coating Roof Board, like other components used in roofing systems, must be protected from exposure to moisture before, during and after installation. Remove the plastic packaging from all STRUCTODEK® HD with Red Primed Coating Roof Board immediately upon receipt of delivery. Failure to remove the plastic packaging may result in entrapment of condensation or moisture.

### Approvals:

- ASTM C208 Type II, Grade 1 and 2
- Federal Specification LLL-I-535 Superseded by ASTM C208



Typical Physical Properties*	
Property	1/2"
Thickness, nominal	1/2"
Pieces per unit for 4' x 8' sheet	90
Weight, nominal, lb. / sq. ft.	0.7
'R-value	1.3
Transverse Strength, Lb	12-14
Tensile Strength Parallel, min, lbf/in <sup>2</sup>	150
Tensile Strength Perpendicular, min, lbf/ft <sup>2</sup>	600
Water Absorption by volume, max, %	7
Moisture Content by weight, max, %	10
Linear Expansion 50-90% RH, max, %	0.5
Modulus of Rupture, min, lbf/in <sup>2</sup>	275
Deflection at Specified Min. Load, max, in.	0.75
Flute Spanability, max width, in.	1-5/8"
Compressive Strength, min, lbf/in <sup>2</sup>	15
* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.	

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