

**PATENTED**  
UNIVERSAL COVERBOARD

STRUCTODEK.  
**PRIMED RED**  
COVERBOARD



✓ **TECHNICAL APPROVALS** *the most in the fiber industry*



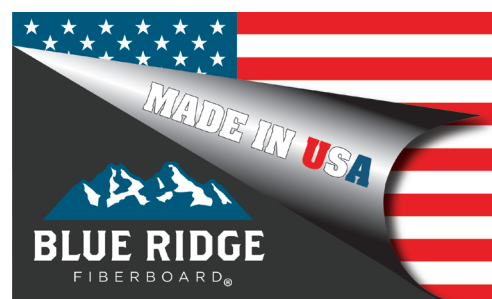
✓ **OEM MEMBRANE APPROVED** *for NDL warranted projects*

Not only do the biggest membrane manufacturers include Structodek Primed Red cover board in the NDL warranties, most market and sell Primed Red as an integral part of their proprietary system assemblies.

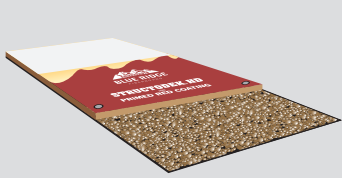
✓ **COMPETITIVE PRICE** *a value engineering champion*

✓ **PROVEN TRACK RECORD** *millions of square feet applied*

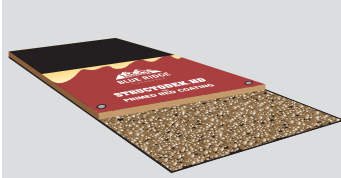
Structodek with its patented Primed Red Coating was introduced a decade ago. Since then **millions of square feet of Primed Red** have been successfully applied on some of the largest warranted projects in the country under the leading producers of TPO, PVC, EPDM and BUR membranes. Structodek with Primed Red coating cover board has quickly become Blue Ridge's number one selling product.



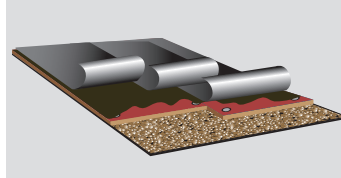
## FM 1-90 CLASS A RE-ROOF AND RECOVER ASSEMBLIES



- TPO, PVC Single-Ply Membrane
- Adhered
- STRUCTODEK HD WITH PRIMED RED COATING
- Existing roof assembly



- EPDM Single-Ply Membrane
- Adhered
- STRUCTODEK HD WITH PRIMED RED COATING
- Existing roof assembly



- Built-up Roof Plies
- Asphalt
- STRUCTODEK HD WITH PRIMED RED COATING
- Existing roof assembly



- Modified Bitumen Cap Sheet
- Modified Bitumen Base Sheet
- STRUCTODEK HD WITH PRIMED RED COATING
- Existing roof assembly

### PRODUCT OVERVIEW

BLUE RIDGE FIBERBOARD is proud to offer

#### **STRUCTODEK HD WITH PRIMED RED COATING.**

This high density roofing coverboard has been tested and approved as an integral component by the major membrane manufacturers who create today's finest roofing systems. Stocked at 12 additional warehouse locations across the United States to assist with rapid project starts and completions in less than truckload quantities.

### **STRUCTODEK HD WITH PRIMED RED COATING RECOMMENDED APPLICATIONS**

Single-Ply Adhered	BUR Ply Sheets
Single-Ply Mechanically Attached	BUR Hybrid
Single-Ply Ballasted	Self-Adhered
Modified Bitumen Cold Adhesive	Spray Foam (SPF)
Modified Bitumen Hot Mopped	

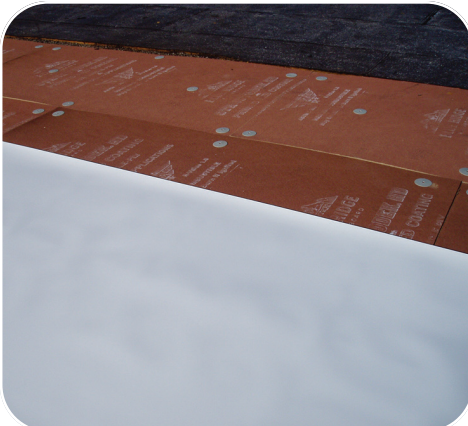


### COMPLIANCES

- FM Approved Class 1 – FM Approval Standard 4450/4470
- UL Classified to Canadian Std CAN/ULC-S107 and US Std UL 790, Class A, B, C
- ASTM C 208, Type II, Grade 1 and Grade 2
- CAN/ULC-S706-09 Type II, Classes 1 and 2
- Canadian Evaluation CCMC #13186-L
- Miami-Dade County, Florida, NOA No. 23-0623.03, Expiration Date: 09/18/28
- DORA ID 689
- FBC product approval number, FL #13792.1
- Water Absorption 7% max per ASTM C 208
- Proud member of the Single-Ply Roofing Industry



#### COMPATIBLE WITH ALL SINGLE-PLY MEMBRANES



#### GLOVES OPTIONAL - FIBERGLASS FREE

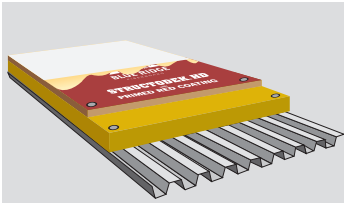


#### EFFECTIVE & EFFICIENT BONDING WITH ALL ADHESIVES

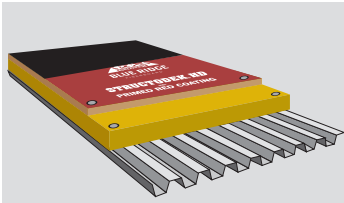




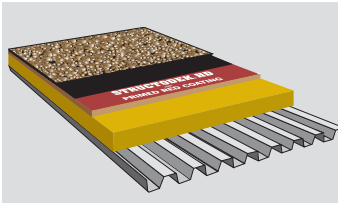
## FM 1-90 CLASS A NEW CONSTRUCTION ROOF ASSEMBLIES



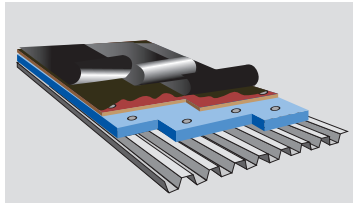
- TPO, PVC Single-Ply Membrane
- Adhered
- STRUCTODEK HD WITH PRIMED RED COATING
- Polyisocyanurate Rigid Insulation
- Steel Roof Deck



- EPDM Single-Ply Membrane
- Adhered
- STRUCTODEK HD WITH PRIMED RED COATING
- Polyisocyanurate Rigid Insulation
- Steel Roof Deck



- Modified Bitumen Cap Sheet
- Modified Bitumen Base Sheet
- STRUCTODEK HD WITH PRIMED RED COATING
- Polyisocyanurate Rigid Insulation
- Steel Roof Deck



- Built-Up Roof Plies
- Asphalt
- STRUCTODEK HD WITH PRIMED RED COATING
- Extruded Polystyrene Rigid Insulation
- Steel Roof Deck

### UL “P” ASSEMBLY REQUIREMENTS

UL Classified STRUCTODEK High Density Fiberboard Roof Insulation can be used in any P Design as part of a Class A, B or C Roof Covering as specified in the Design.

### SYSTEMS MANUFACTURERS APPROVAL

Additional joint listings from these manufacturers can be found in the current versions of the UL Roofing Materials and Systems Directory and the FM Approval Guide for FM Approvals/RoofNav.

Bitec™

Bondcote Corp.®

Burkeline Roofing Systems®

Carlisle, Syntec

Centimark, Corp

CertainTeed

Conklin® Company

Cooley Inc.

Derbigum®

Ecology Roof Systems®

ER Systems®

FiberTite®

Flex™ Membrane International

GAF® Materials Corp

Henry Company,®

Holcim Elevate (formerly Firestone)

Holcim Elevate (formerly GenFlex®)

Hydro-Stop

Hyload Inc.

IB Roof Systems™

Johns Manville

Lexcan Industrial Supply Ltd

Malarkey

Mule-Hide Products

Polyglass® USA

Sika-Sarnafil®

Seaman Corp

Siplast®

Soprema®

Tamko Building Products®

The Garland Company®

Tremco Inc.®

US Ply

Versico Inc.

\*Check with specific membrane manufacturer for system warranty approval and required fastening pattern.

**EASY ROOF LOADING -  
LIGHT WEIGHT & STRONG**



**UNIVERSAL - ALSO BUR HOT &  
COLD-APPLIED COMPATIBLE**



### FASTENING PATTERN REQUIREMENTS

For fastening patterns, refer to FM RoofNav and/or membrane manufacturer for specific assembly requirements.



## PHYSICAL PROPERTIES

**1/2" VALUES**

• Thickness .....	+ or - 10%
• Transverse Strength, lbf .....	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 per ASTM C208, 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 (40mm)
• R-Value, ft <sup>2</sup> -h-°F/BTU .....	1.3
• 4' x 4' Packaging .....	90 pieces/unit
• 4' x 8' Packaging .....	90 pieces/unit
• Compression Strength @ 20% Deformation .....	45 psi
• Compression Strength @ 10% Deformation .....	22 psi

## LEED® CONTRIBUTION

- MR Credit BPDO-EPD, Product Specific EPD
- MR Credit BPDO-Sourcing of Raw Materials, 75% pre-consumer wood
- MR Credit BPDO-Material Ingredients, HPD
- EQ Credit-Low-Emitting Materials, CDPH Standard Method v1.2  
MAS Certified Green® Low-Emitting Materials



## ADDITIONAL ATTRIBUTES

This product has no added formaldehyde and uses a biobased binder.

## WOOD IS A CARBON-SMART BUILDING MATERIAL CHOICE

Reducing and reversing the acceleration of global warming happens by making carbon-smart choices. BLUE RIDGE FIBERBOARD captures and stores the CO<sub>2</sub> inherent in wood fibers which locks up this carbon for the lifetime of the installation.

Carbon dioxide is taken up by trees and, through photosynthesis, is stored as carbon in wood fibers. Using residual softwood chips as the source material for fiberboard insulation locks in carbon for the life of the building installation.

As trees grow they absorb carbon dioxide from the atmosphere during the process of photosynthesis, emitting oxygen and utilizing the carbon to create the very roots, trunk, branches and leaves of the tree.

This process is called carbon sequestration and is the capturing of carbon dioxide from the atmosphere and storing it. One cubic meter of wood can trap approximately 1 ton of carbon dioxide. To put this concept in perspective, the EPA states an average car emits about 4.6 metric tons of CO<sub>2</sub> per year.

UNECE (United Nations Economic Commission for Europe) emphasizes that the use of wood in the construction industry reduces CO<sub>2</sub> emission by 30% when used instead of steel. Throughout the life of a wooden structure, its wood components store and restrict the release of carbon dioxide.

For further information on STRUCTODEK HD WITH PRIMED RED COATING, including data sheet, installation procedures, guide specs, and SDS, visit [www.blueridgefiberboard.com](http://www.blueridgefiberboard.com).

**CUSTOMER SERVICE EASTERN REGION AND CANADA**  
800-233-8721

**CUSTOMER SERVICE WESTERN AND SOUTHWESTERN REGION**  
800-535-4088

**TECHNICAL SUPPORT**  
800-596-9699

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