



High-Density Panel for Broad Roof System Compatibility

COATED ON SIX SIDES OR ONE SIDE

FiberBase HD™ is a high-density fiberboard cover panel with excellent physical properties to provide added stiffness, insulation value and stability when applied in a wide range of roof systems. Its lightweight composition makes FiberBase HD easy to handle and cut. Available coated on all six sides (C6S) or only one side (C1S), the surface sealer on FiberBase HD helps increase moisture resistance and adhesive coverage efficiency. Whether specified for new roof construction or re-roof applications, FiberBase HD provides a flat, uniform surface for adhesive bonding and extended roof membrane performance. Request FiberBase HD today.



SIZES

Thicknesses: 1/2", 25/32",* 1"

Dimensions: 4'x4', 4'x8'

Pieces per Unit: 95, 45

APPLICATIONS

- Cover board over existing roof in recover applications
- Protective layer over low-density insulation
- Substrate for the following systems:
 - Fully adhered EPDM single-ply membrane roof systems
 - Modified bitumen roof systems
 - Built-up roof systems
 - Mechanically fastened roof systems
 - Loose-laid ballasted roof systems

*special order thickness



C6S PHYSICAL PROPERTIES

THICKNESS

	TEST METHOD	1/2"	1"
Linear Expansion (max.)	ASTM C209	0.5%	0.5%
Water Absorption (max.)	ASTM C209	7.0%	7.0%
Compression Strength (PSI min.)	ASTM C165 Procedure A	20	20
Tensile Strength Parallel to Surface (PSI avg. min.)	ASTM D1037	150	150
Tensile Strength Perpendicular to Surface (PSI min.)	ASTM D1037	600	600
Transverse Load Either Direction (avg. min. lbs.)	ASTM C209	12	24
Modulus of Rupture (PSI avg. min.)	ASTM C165	275	140
Thermal Conductivity (t/R)	ASTM C518	0.40	0.40
Thermal Resistance Same as R-Value (°F-ft ² -h/BTU)	ASTM C518	1.32	2.64

SPECIFICATIONS COMPLIANCE

FiberBase HD™ meets or exceeds the requirements for Type II, Grade 2 panels referenced in **ASTM C208-12** (Standard Specification for Cellulosic Fiber Insulating Board) and/or **CAN/ULC-S706** (Standard for Wood Fibre Insulating Boards for Buildings). FiberBase HD surpasses the ASTM's minimum standards for transverse load by up to 17%, creating a stiffer panel that is especially valuable when used in mechanically attached roof systems where resistance to wind uplift is a design requirement.

FiberBase HD is available by special order as an **Underwriters Laboratories'** classified product under the UL File R11115 for built-up roof covering materials. See the listing under Roof Covering Materials (TEVT) in the UL Roofing Materials and Systems Directory.

WIND UPLIFT INFORMATION

FiberBase HD is a **Factory Mutual Global** approved roof insulation for I-60 and I-90 wind uplift rated systems as outlined in reports J.I.1T6A2.AM (C1S), J.I.2M3A2.AM (C6S) and J.J.0V7A2.AM (C1S). FM allows FiberBase HD wherever wood fiber insulation is specified. Consult the roofing membrane manufacturer and the current Factory Mutual Global approval guide for systems compatibility and specific application instructions.

INSTALLATION REQUIREMENTS

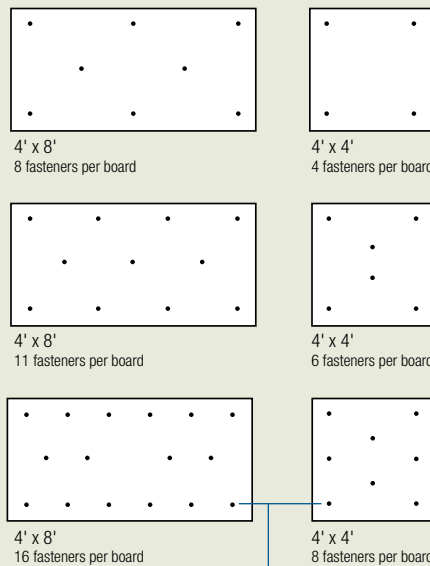
When installed according to these instructions, FiberBase HD provides a flat, uniform substrate for optimum membrane performance.

For Insulation Protection Applications: Offset FiberBase HD panel joints at least 6" from underlying insulation panel joints. Spacing at all FiberBase HD joints should not exceed a maximum of 1/8". Panels must be dry before and during application. Apply only as many sheets of FiberBase HD as can be covered by the roof membrane during the same day.

For Re-Roofing (Cover Board) Applications: Existing roof surface must be cleared of all gravel and other debris before applying FiberBase HD. Surface irregularities must be smoothed or scraped flat. FiberBase HD and deck must be dry prior to installation and kept dry during the re-roofing process.

RECOMMENDED FASTENER PATTERNS

When mechanical fasteners are used, the patterns below are recommended for these commonly specified numbers of fasteners. (Consult the roofing membrane manufacturer for recommended size and quantity of fasteners required for a specific job.)



GENERAL DESCRIPTION

- Composition:** Cellulosic Wood Fibers, Binders and Additives
- Density:** High Density
- Coating:** 1 Side (C1S) or 6 Sides (C6S)

SAFETY & SUSTAINABILITY

- WARNING** – Do not apply flame to FiberBase HD. When applying modified bitumen membranes, a base sheet is required. FiberBase HD may smolder and burn. Extinguish completely if ignited.
- Georgia-Pacific procurement practices are certified to conform with the **Sustainable Forestry Initiative®** program objectives 8-20 of Section 2 - SFI 2010-2014.
- Green Building** – The specification and usage of FiberBase HD can help contribute toward credits in sustainable building rating systems such as LEED, the NAHB Green Building Standard and others:
 - LEED MR 4: Pre-Consumer Recycled Content
 - LEED MR 5: Local/Regional Materials (Where applicable)
 - LEED EQ 4.4: Environmental Quality
 (For more information about sustainable building contributions, contact your Georgia-Pacific representative.)

SPECIAL ORDER:

- UL Classified
- 25/32" Thickness

LIMITATIONS:

- DO NOT** apply flame to FiberBase HD. When applying modified bitumen membranes, a base sheet is required.
- Follow membrane manufacturer's instructions in single-ply membrane applications.



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