



# FIBERBASE<sup>RD</sup><sup>™</sup>

ROOF FIBERBOARD



## Regular-Density Panel for Cost-Efficiency and Reliability

### GENERAL PURPOSE ROOFING FIBERBOARD

FiberBase RD<sup>™</sup> is a regular-density fiberboard panel suitable for a wide variety of general-purpose roofing applications. Flat, uniform and lightweight, it provides added protection over insulation, reliable stability under roof membranes and easy handling and cutting during installation. FiberBase RD also contributes extra insulation value to improve heating and cooling efficiency and greater roof deck rigidity to increase system resistance to damage from typical roof traffic. Available in a 1/2" thickness, two popular panel sizes and with a moisture-resistant sealer applied to one side, ask for FiberBase RD whenever you need a reliable, cost-efficient fiberboard panel for your next commercial roofing application.



#### SIZES

**Thickness:** 1/2"

**Dimensions:** 4'x4', 4'x8'

**Pieces per Unit:** 95

#### APPLICATIONS

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



## PHYSICAL PROPERTIES

## THICKNESS

PROPERTY	TEST METHOD	THICKNESS
Linear Expansion (max.)	ASTM C209	1/2"
Water Absorption (max.)	ASTM C209	7.0%
Compression Strength (PSI min.)	ASTM C165 Procedure A	20
Tensile Strength Parallel to Surface (PSI avg. min.)	ASTM D1037	50
Tensile Strength Perpendicular to Surface (PSI min.)	ASTM D1037	500
Transverse Load Either Direction (avg. min. lbs.)	ASTM C209	7
Modulus of Rupture (PSI avg. min.)	ASTM C165	140
Thermal Conductivity (t/R)	ASTM C518	0.38
Thermal Resistance Same as R-Value (°F-ft <sup>2</sup> -h/BTU)	ASTM C518	1.32

## SPECIFICATIONS COMPLIANCE

FiberBase RD™ meets or exceeds the requirements for Type II, Grade 1 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

FiberBase RD 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 RD 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) and J.J.OV7A2.AM (C1S). FM allows FiberBase RD 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

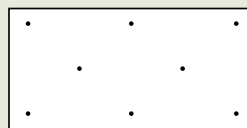
When installed according to these instructions, FiberBase RD provides a flat, uniform substrate for optimum membrane performance.

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

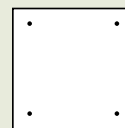
**For Re-Roofing (Cover Board) Applications:** Existing roof surface must be cleared of all gravel and other debris before applying FiberBase RD. Surface irregularities must be smoothed or scraped flat. FiberBase RD and deck must be dry prior to installation and kept dry during the re-roofing process.

## RECOMMENDED FASTENER PATTERNS

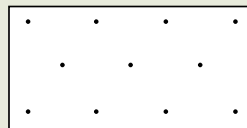
When mechanical fasteners are used, the patterns below are recommended for these commonly specified numbers of fasteners. (Consult the roofing membrane manufacturer for recommended size and quantity of fasteners required for a specific job.)



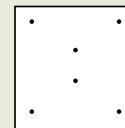
4' x 8'  
8 fasteners per board



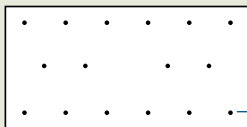
4' x 4'  
4 fasteners per board



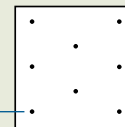
4' x 8'  
11 fasteners per board



4' x 4'  
6 fasteners per board



4' x 8'  
16 fasteners per board



4' x 4'  
8 fasteners per board

Minimum fastener spacing at corners 6" from either edge  
Maximum fastener spacing at corners 12" from either edge

## GENERAL DESCRIPTION

**Composition:** Cellulosic Wood Fibers, Binders and Additives

**Density:** Regular Density

**Coating:** 1 Side (C1S)

## SAFETY & SUSTAINABILITY

■ **WARNING** – Do not apply flame to FiberBase RD. When applying modified bitumen membranes, a base sheet is required. FiberBase RD 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 RD 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

## LIMITATIONS:

■ **DO NOT** apply flame to FiberBase RD. When applying modified bitumen membranes, a base sheet is required.

■ Do not use this product under adhered single-ply roof membranes.



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