

# FiberTop™

## Wood Fiber Insulation

Firestone FiberTop insulation is a durable wood fiber insulation available in standard size building panels for use as a recover board or to provide insulating value in a roof assembly.

Suitable for use on almost all types of re-roofing projects, Firestone FiberTop insulation or wood fiber insulation may be used under ballasted, fully adhered or mechanically attached single-ply roofing systems. It may also be used as a substrate for base sheets in SBS Modified Systems.

Firestone FiberTop insulation or wood fiber insulation is backed by a company committed to quality and technological innovation in every aspect of its operation including product development, manufacturing, sales and service.

### Application:

Firestone FiberTop insulation can be installed over accepted substrates under the following types of Firestone Roofing Systems:

RubberGard EPDM  
Ballasted, fully adhered or mechanically attached

UltraPly  
Mechanically attached

Modified Bitumen  
SBS in hot asphalt

### Availability:

Firestone FiberTop insulation or wood fiber insulation is available in both 4'x4' and 4'x8' sizes. However, only 4'x8' sizes are maintained in warehouse inventory. Other sizes must be special ordered.

### FiberTop "E" Board

1/2-inch and 1-inch FiberTop "E" Board is manufactured in Virginia.

### FiberTop "C" Board

1/2-inch and 1-inch FiberTop "C" Board is manufactured in Virginia, Louisiana and Pennsylvania.

### FiberTop "B" Board

1/2-inch and 1-inch FiberTop "B" Board is manufactured in Minnesota.

### Specification Compliance:

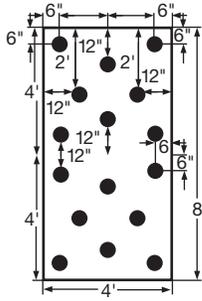
ASTM C208, Type II, Grade 2  
Federal Wood Fiber Spec: LLL-I-535B  
ANSI/AHA A 194.1 Type IV, Class 7  
UL Classified  
FM Approved

Property	Minimum Performance	
Thickness	1/2"	1"
Tensile Strength Parallel to Surface, Avg. Min. Lbs./Sq. In.	150	50
Tensile Strength Perpendicular To Surface, Avg. Min. Lbs./Sq. Ft.	600	500
Thermal Resistance (R-Value)	1.3	2.5
Thermal Conductance (C-Value)	0.4	0.4
Metal Deck Flute Spanability, Max.	*	2-5/8"

\*1/2" FiberTop insulation is not recommended for direct applications over metal decks.

## Fastening Pattern A

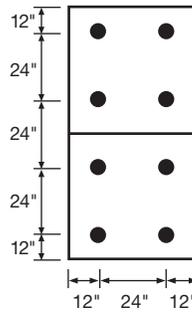
4'x4' or 4'x8' Boards



One fastener and plate per two square feet — typical fully adhered fastening pattern using 4'x4' or 4'x8' boards

## Fastening Pattern B

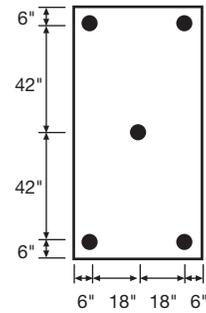
4'x4' Boards



One fastener and plate per four square feet — Mechanically Anchored System using 4'x4' boards

## Fastening Pattern C

4'x8' Boards



Mechanically Anchored System using 4'x8' boards

## Fastening Requirements

### Fastening Pattern A

One fastener and plate per 2 square feet. Typical fully adhered fastening pattern using 4'x4' or 4'x8' boards.

### Fastening Pattern B

One fastener and plate per 4 square feet for mechanically anchored system using 4'x4' boards.

### Fastening Pattern C

Mechanically anchored system using 4'x8' boards.

## Installation Instructions

### Storage:

FiberTop insulation stored at the jobsite must be raised above grade on wood pallets and covered with a waterproof tarpaulin. Insulation must be maintained and installed in a dry condition at all times.

### Preparation and Application of Insulation:

Before FiberTop insulation is placed on the roof deck, the surface must be clean, dry, free of debris, water, ice or snow, and suitably prepared by removing all defects that might affect the quality of the application. The contractor should install only as much insulation daily as can be completely covered by the roofing system to protect it from exposure to weathering and to maintain its

watertight integrity. All insulation joints should be staggered. Refer to Firestone's EPDM Technical Specifications Manual for complete installation instructions.

### Attachment of Insulation:

#### Ballasted Single-Ply Systems:

No mechanical attachment to the roofdeck is required. Contact Firestone Technical Services Dept. for additional information if mechanical attachment is required.

#### Fully Adhered Single-Ply Systems:

Firestone recommends following Fastener Pattern A above to install insulation beneath a fully adhered system. Due to the variation in physical conditions possible that can affect fastener pull-out resistance in a fully adhered installation, Firestone recommends that on-site fastener pull-out testing be performed. Firestone specifications require a minimum 300 lb. pull-out resistance per fastener. Contact Firestone Technical Services Department if other conditions are encountered, or if you have a question.

#### Mechanically Attached Single-Ply Systems:

Refer to Fastening Patterns B or C, depending on the board size and the type of roofing system that is being installed. Installation of wood fiber board over non-uniform surfaces may require additional fasteners.

### Modified Bitumen Roofing Systems:

If a base sheet is to be mechanically attached, use Fastening Patterns B or C, whichever is appropriate depending on the individual board size that is to be installed. If the base sheet is to be mopped down use Fastening Pattern A. Installation over non-uniform surfaces may require additional fasteners. Hot asphalt conforming to ASTM D-312 Type IV (4) can be used to attach 4'x4' FiberTop insulation boards, where hot asphalt attachment is approved. Contact Firestone Roof Solutions for approval prior to installation.

For additional information about Firestone FiberTop wood fiber insulation or any of Firestone's other roofing and insulation products, systems and accessories, contact Firestone Building Products Company.

*Caution: Do not leave wood fiber board exposed. This product will smolder or burn if exposed to an ignition source of sufficient heat and intensity. This product, like other organic materials, can release toxic smoke if ignited. This product should only be used in strict conformance with Firestone's recommended uses and application instructions.*

### **Firestone Building Products**

#### **World Class Performance**

Firestone Building Products Company, LLC is a leading manufacturer and marketer of a full line of commercial roofing systems, insulations and accessory products worldwide. The company operates 21 manufacturing facilities that produce polyisocyanurate insulation, single-ply ethylene propylene diene terpolymer (EPDM) membranes and SBS modified bitumen membranes. Firestone also markets a white, TPO hot-air-welded roofing system. Hundreds of millions of square feet of Firestone roofing systems are installed on commercial facilities worldwide.

Firestone is a pioneer and innovator in research and development. Throughout the years Firestone has maintained its momentum and focus on leadership by listening to the customer and continuously improving its operations. Firestone provides a single source of product supply, service and warranty responsibility. Nobody covers the world better than Firestone.

WOOD DUST GENERATED BY SAWING, SANDING,  
OR OTHER MACHINING OF BOARD CAN ACT AS A  
MECHANICAL IRRITANT AFFECTING THE EYES,  
UPPER RESPIRATORY TRACT, AND SKIN.

Refer to the MSDS

This brochure is meant only to highlight Firestone's products and specifications. Information is subject to change without notice. All product specifications are listed in approximate weights and measurements. For complete installation instructions, consult your Firestone Technical Specifications Manual.

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**Firestone**  
BUILDING PRODUCTS  
**NOBODY COVERS YOU BETTER™**

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