

# Tremco/ Temple Fiber Base HD

## Six Side Asphalt Coated Wood Fiber Roof Insulation Board

**Composition:** Tremco/ Temple Fiber Base HD consists of a high density wood fiber insulation board coated on all six sides with a premium quality asphalt coating. Tremco/ Temple Fiber Base HD is manufactured using 95% by weight of pre-consumer recycled wood fiber. Tremco/ Temple Fiber Base HD exceeds the requirements of ASTM C 208, Type II, Grades 1 and 2.

**Basic Uses:** Tremco/ Temple Fiber Base HD is used as a durable roof insulation substrate under a variety of low slope roof systems. It is recommended as an overlay board over isocyanurate insulation. It can also be used in single layer insulation configurations in approved roof constructions.

Tremco/ Temple Fiber Base HD is exclusively recommended for application in FAS-N-FREE Insulation Adhesive. Both 1/2" and 25/32" thicknesses of Tremco/ Temple Fiber Base HD are specified for application in FAS-N-FREE Adhesive because of their unique feature of the asphalt coating on all six sides of the board. Tremco/ Temple Fiber Base HD can also be installed in hot asphalt. Both hot applied and cold process roof systems may be installed directly to this board.

**Limitations:**

- Not intended for use under ponding conditions. Positive drainage is required.
- Insulation stops are required on roofs with slopes of 2:12 (2" per foot) or greater.

- Not for use in direct contact with lightweight insulating concrete or recently poured gypsum decks.
- Not intended for exposure to direct flame, since board may smolder or burn. A base sheet must be hot mopped prior to any torch down MB application.

**Sizes:** Tremco/ Temple Fiber Base HD is available in truck-load quantities in 4' x 8' (1220mm x 2440mm) board panels and packaged on dunnage. Standard thickness are 25/32" (20mm) and 1/2" (13mm).

**GENERAL APPLICATION DATA:**

Roof replacement usually involves more complexities than new construction roofing. Often encountered are situations such as rusted/deteriorated decks, rotted wood components, rooftop equipment which cannot be moved or shut down, and numerous other conditions.

The following application information is designed to serve as a general guide. Your local Tremco Representative will prepare detailed specifications based on the condition of your roof.

**Structural Decks:** Must be properly designed and structurally sound.

**Drainage:** Ponding conditions are unacceptable and will adversely affect the performance of any roofing system. If positive drainage does not exist, water removal from the roof surface must be facilitated by lowering drains, and/or installing additional drains, tapered insulation, or Tremco approved lightweight concrete slope system.

**Insulation Storage:** Insulation must be dry and kept dry. When stored outdoors, stack insulation on pallets at least 4 inches (100mm) above ground level. Upon receipt of insulation on the job site, cover the top and sides of the insulation with waterproof tarpaulin (not polyethylene) and secure. Do not stack more than two pallets high.

**Surface Preparation:** Prior to installing the insulation, the substrate must be clean, dry and free of dust, dirt, oil, or other contaminants. Concrete and gypsum decks must be properly cured and sufficiently dry prior to installing insulation.

**Installation:** The use of FAS-N-FREE Adhesive for solvent free, fastener free insulation attachment is the preferred method of attachment unless otherwise specified. When adhering Tremco/ Temple Fiber Base HD in FAS-N-FREE Adhesive, the 4'x8' board dimension does not need to be cut down into 4'x4' sections. The six side asphalt coating maintains the stability of the board during adhered applications. Attachment with hot bitumen and mechanical fasteners is also acceptable.

Product Advantages	
Features	Benefits
High density wood fiber	<ul style="list-style-type: none"> <li>• Stable "R-Value"</li> <li>• Low thermal conductivity</li> <li>• Strength for traffic resistance</li> </ul>
Premium Quality Asphalt coating on all six sides	<ul style="list-style-type: none"> <li>• Suitable for adhering to substrates in hot or cold applied adhesives</li> <li>• Improved moisture resistance</li> <li>• Stable when applied in cold insulation adhesives.</li> </ul>
FM Approved	<ul style="list-style-type: none"> <li>• Manufactured under a FM quality assurance inspection program</li> <li>• Fire/wind protection</li> </ul>
UL CLASSIFIED	<ul style="list-style-type: none"> <li>• Manufactured under UL quality assurance inspection program</li> </ul>



Roofing & Weatherproofing Peace of Mind™

**Multiple Layers:** The use of two separate layers of insulation is recommended, especially over steel decks. Two layers can minimize stress on the roof membrane which results from thermal movement of the deck. After securing the first layer of insulation, install the additional layer(s) with the board joints offset a minimum 6 inches (150mm) from the joints of the preceding layer.

**Adhesive Application:** Prime concrete and metal deck substrates with Tremprime WB. After primer has thoroughly dried, apply FAS-n-FREE Adhesive to the substrate in ribbons of 1/2" to 3/4" (13mm to 19mm) diameter beads at the required coverage rate. Set the insulation board into the adhesive immediately and step into place. Do not allow adhesive to skin over. Obtain and read the Specification Data Sheet for Tremprime WB and FAS-n-FREE Adhesive for further information.

**Bitumen Application:** Hot applied bitumen can be used to adhere Tremco/Temple Fiber Base HD to concrete decks, to base sheets which are mechanically attached to wood or gypsum decks, and to insulation layer(s) previously secured. Concrete decks should be primed with Tremprime WB and allowed to thoroughly dry. Adhere insulation to substrate in a full coverage of hot applied bitumen, at a coverage rate of 30 lbs. per 100 sq. ft. (1.5 kg/m<sup>2</sup>) ± 20%. Place insulation immediately into the hot bitumen and step into place to achieve a solid bond.

**Mechanical Fastener Application:** Tremco Fasteners and Discs are recommended where mechanical attachment of the insulation is specified over steel and wood decks. Do not mix fasteners and discs of different brands unless the combination is Factory Mutual Approved.

Fasteners must be driven perpendicular to the deck. Do not overdrive the fastener, as the insulation may fracture and become susceptible to loss of attachment. Fastener should be driven tight enough so that the disc will not turn.

**PRECAUTIONS:**

User must read container labels and Material Safety Data Sheets for health and safety precautions prior to use.

**AVAILABILITY AND COST:**

Contact your local Tremco Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216/292-5000.

**MAINTENANCE:**

Your local Tremco Roofing Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

**GUARANTEE/WARRANTY:**

Tremco Inc. warrants Tremco/Temple Fiber Base HD Insulation to be free of defects and to meet published physical properties when conditioned and tested according to ASTM and Tremco standards. Under this warranty, any Tremco/Temple Fiber Base HD Insulation that is proved to be defective when applied in accordance with our written instructions and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY.

Physical Performance Characteristics		
Tremco/Temple Fiber Base HD Insulation		
Property	Typical Value	Test Method
Compressive Strength, min.	20psi (137kPA)	ASTM C 165-95
Density, nominal	16 lb/ft <sup>3</sup> (256 kg/m <sup>3</sup> )	ASTM C 209-98
Conditioned Thermal Resistance at 75°F (24°C)*	1.32 for 1/2" board 2.06 for 25/32" board	ASTM C 518-91
Weight/SQ	75 lbs/SQ for 1/2" board 135 lbs/SQ for 25/32" board	
Max Flute Span	1-5/8" for 1/2" board 2-5/8" for 25/32" board	
Preconsumer Recycled Content	95%	
* US "R Value"		

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty is IN LIEU of any and all other warranties express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**TECHNICAL SERVICES:**

Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

**STATEMENT OF POLICY AND RESPONSIBILITY:**

Tremco takes responsibility for the furnishing of quality roofing materials, and providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



An RPM Company

3735 Green Road  
Beachwood, OH 44122  
216-292-5000

220 Wicksteed Ave  
Toronto, ONT M4H 1G7  
416-421-3300