



# SPECIALTY PRODUCTS & INSULATION

## Marine VBD 8847 Mineral Wool Pipe Insulation

### Description

Marine VBD 8847 faced mineral wool pipe insulation is composed of mandrel wound mineral wool insulation with WR-Tech, an innovative water repellent binder to mitigate corrosion under insulation (CUI). SPI provides a durable, puncture resistant aluminum foil/ scrim/ metalized polyester jacket vapor barrier. The nominal 8 lb. density pipe covering provides excellent thermal performance up to 1200°F.

The jacketed pipe insulation is typically used for shipboard hot and cold plumbing and mechanical systems but can be used for other thermal or acoustical applications on pleasure craft, workboats, ferries, cruise ships, military vessels and offshore platforms. Other available SPI marine jackets include 59M and 002 AL Foil.

### Specifications

\* Approved as meeting Parts 2 and 5 of Annex 1 of the IMO FTP code (as tested for smoke and toxic gas generation and surface flammability) and is produced under lab follow-up services.

The base pipe covering is certified non-combustible by the U.S. Coast Guard per 164.109/EC0575 and jacket system per 164.112/144/0.

### Advantages

**Thermal Insulation** – This highly effective insulation system minimizes heat transfer and energy loss providing energy savings and a more comfortable environment.

**System Durability** – VBD 8847 insulation jacketing provides a highly durable insulation system with zero perm vapor barrier for superior condensation control.

**Quality Control** – Jacketed pipe insulation is produced in compliance with an established quality control program, under follow-up service with Intertek Testing Services NA Ltd., a qualified independent third party inspection agency. This ensures users of a consistent, high quality pipe insulation.

### Installation

VBD 8847 mineral wool pipe insulation is quick and easy to install with appropriate system insulation joint tape.

### Availability

**Standard Sizes:** 1/2" to 6" ID., (Specify IPS, Copper or S.S.)

**Standard Wall Thicknesses:** 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2.5, 3"

**Standard Length:** 39.4" hinged sections

VBD 8847 Mineral Wool Pipe Insulation is available through SPI service centers nationally. Call or visit our website to locate one near you. [www.spi-co.com](http://www.spi-co.com)



### Performance Compliance Data

**Jacket Material:**

**Color:** Silver

**Composition:** Foil / fiberglass scrim / metalized Polyester

**Weight:** 0.019 lbs. / sq. ft.

**UL 723:** Flame spread < 25, Smoke Developed < 25

**Permeance:** per ASTM E96, 0.00 perm

### Base Pipe Insulation Compliance:

**US Coast Guard:** 164.109/EC0575

**IMO 2010 FTPC:** Non Combustible

**ASTM C 411 Max Service Temperature:** 1200°F (650°C)

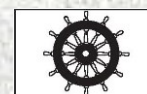
**Nominal Density:** 8.0 pcf (128 kg/m<sup>3</sup>)

**Thermal Conductivity:** per ASTM C 335

<u>Mean Temperature</u>		<u>Thermal Conductivity</u>	
°F	°C	Btu•in/(hr•ft <sup>2</sup> •°F)	W/m•°C
100	38	0.25	0.036
300	149	0.35	0.050
500	260	0.47	0.068
700	371	0.63	0.091

**ASTM E 84:** 0 Flame Spread, 0 Smoke Developed

Note: above properties as reported by manufacturer(s)



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# Marine VBD 8847 Mineral Wool Pipe Insulation, Quote Request / Order Form

COMPANY	DATE
CONTACT	PHONE
PROJECT NAME & LOCATION	DATE REQUIRED
SHIP TO LOCATION	P.O. NUMBER

Marine VBD 8847 Mineral Wool Pipe Insulation	Pipe Insulation Sizes			
	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2.5, 3" at 39.4" Length	Thickness	Length	Sections
Foil Joint Tape, US Coast Guard Approved	Width 2, 3 or 4"		Roll	Quantity
Pipe Labels, System Names	Hot Water Supply	Domestic Cold Water	(Other)	(Other)
Label Quantity				

Note: Final quantities rounded to full carton or packaged quantities.



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Disclaimer and Limitation of Warranty. The purchaser/user is advised to consult with the appropriate professionals and to read the manufacturer's product information to determine the adequacy or appropriateness of the product for the use intended. SPI makes no claim or representation regarding the use or applicability of the products. Further, SPI makes no warranty, expressed or implied, and disclaims all warranties including warranties of merchantability and fitness for a particular purpose.

*For additional information please visit  
<http://www.spi-co.com/literature.html>*

*Ask a SPI Sales Representative about our  
 other marine products and services.*