



Specialty Products
and 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 repellant 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: ½" to 6" ID., (Specify IPS, Copper or S.S.)

Standard Wall Thicknesses: ½", ¾", 1", 1 ¼", 1 ½", 2", 2.5,

Standard Length: 3" 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



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)

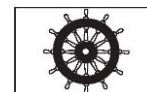
Nominal Density: 8.0 pcf (128 kg/m3)

Thermal Conductivity: per ASTM C 335

| <u>Mean Temperature</u> | | <u>Thermal Conductivity</u> | |
|-------------------------|-----|---------------------------------|--------|
| °F | °C | Btu·in/(hr·ft ² ·°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)



1408/12

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 | Pipe Size | Thickness | Length |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 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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Insulation

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](http://www.spi-co.com/literature.html)**

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our other marine products and
services.**