



Specialty Products
and Insulation

Marine 59M Mineral Wool Pipe Insulation

Description

Marine 59M jacketed 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 scrim reinforced polyester vapor retarder. 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 VBD 8847 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 jacketed per 164.112/134/0.

Advantages

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

System Durability – 59M insulation jacketing provides a highly durable insulation system with an effective vapor retarder for condensation control and oil resistance.

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

59M 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

59M Marine 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: White

Composition: fiberglass scrim / reinforced Polyester

Weight: per ASTM D 3776 3.0 oz. / sq. yd.

ASTM E 84: Flame spread 5, Smoke Developed 10

Permeability: per ASTM E96, 0.5 perms

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

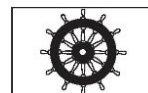
<u>Mean Temperature</u>		<u>Thermal Conductivity</u>	
°F	°C	Btu·in/(hr·ft ² ·°F)	W/m·°C
100	38	0.25	0.036
300	149	0.35	0.050
500	260	0.47	0.068
700	371	0.63	0.091

ASTM E 84: 0 Flame Spread, 0 Smoke Developed

Note: above properties as reported by manufacturer(s)



Intertek



1408/12

Marine 59M Mineral Wool Pipe Insulation, Quote Request / Order Form

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

Marine 59M 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
59M Joint Tape, US Coast Guard Approved	Width 2, 3 & 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/>

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