



Specialty Products
and Insulation

59M Fiberglass Hull Board

White Reinforced Mylar Facing

Description

59M Fiberglass Hull Board is composed of a lightweight, semi-rigid, incombustible fiberglass board with a durable white fiberglass scrim Polyester facing system that can be painted. The felted nominal 2.9 lb. density fiberglass base board offers low organic content.

The faced insulation board is used to meet thermal requirements and enhance acoustical performance for applications on bulkheads, decks, associated stiffeners and duct work on pleasure craft, workboats, ferries, cruise ships, military vessels, and offshore platforms.

Specifications

* Approved as meeting Parts 2 and 5 of Annex 1 of the IMO FTP code by the U.S. Coast Guard per 164.112/134/0

Advantages

Thermal Insulation – This effective insulation system (R Value 4.34 per inch) minimizes heat transfer / energy loss providing a more comfortable, energy efficient environment.

Quality Control – Panels are 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 consistent, high quality finished materials.

Fluid Resistant – Facing system is resistant to oil and water.

Improved Acoustics - Aids with environment sound control.

Light Reflectance – Bright white finish provides improved illumination for interior environments which can reduce energy consumption.

Installation

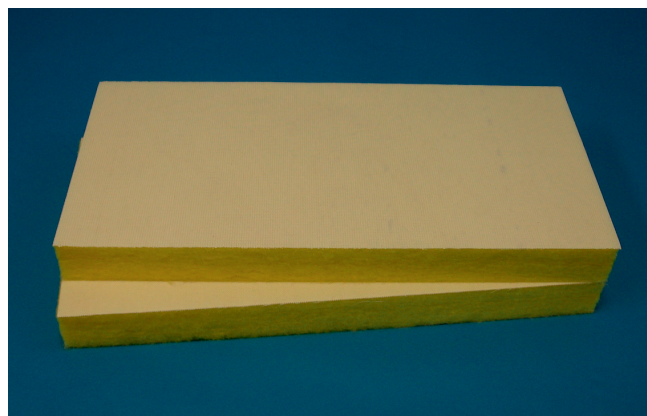
59M Fiberglass Hull Board is easy to cut and fit and installs with appropriate insulation pins, clips and tape. It can also be fabricated into beam wraps and other structural component covers.

Availability

Standard Sizes:

1" x 24" x 36" at 120 sf/ctn 1" x 24" x 48" at 160 sf/ctn
2" x 24" x 36" at 60 sf/ctn 2" x 24" x 48" at 80 sf/ctn

59M Marine Insulation is available through SPI service centers nationally. Call or visit our website to locate one near you.



Performance Compliance Data

Facing: Color White, 100% fiberglass scrim and polyester film 3.0 oz. / sq. yd

Complies to U.S. Coast Guard #46-CFR 164.012 Interior Finish U.S. Coast Guard certificate of Approval 164.012/73/0

Base Board: Coast Guard/IMO Approved 164.109/46/0, MIL-I-742F, Type II

Operating Temperature Limit: 450°F (232°C)

Nominal Density 2.9 pcf (46.5 kg/m³)

Thermal Conductivity

Mean Temperature Thermal Conductivity

| °F | °C | Btu-in/(hr-ft ² -°F) | W/m-°C |
|-----|----|---------------------------------|--------|
| 75 | 24 | 0.23 | .033 |
| 100 | 38 | 0.25 | .036 |
| 200 | 93 | 0.31 | .045 |

Sound Absorption Coefficients

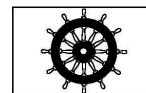
Complies with MIL-I-22023D Requirements Mounting Type A (Flat on the floor) [Formerly No. 4]

| <u>Thickness</u> | | <u>Frequency, Hz</u> | | | | | | |
|------------------|----|----------------------|------|------|------|------|------|------|
| inches | mm | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC* |
| 1 | 25 | 0.06 | 0.29 | 0.75 | 0.99 | 1.04 | 1.02 | 0.75 |
| 2 | 51 | 0.24 | 1.00 | 1.11 | 1.08 | 1.06 | 1.05 | 1.05 |

*Noise reduction coefficient.

Base Board SCS Certified - Minimum 25% Recycled Content

Note: properties as reported by base board manufacturer



1408/12

59M Fiberglass Hull Board (White Reinforced Mylar) Quote / Order Form

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

| 59M Fiberglass (White Reinforced Mylar) Hull Board | Board Size (inches & Sq. Ft.) | | | |
|--|-------------------------------|-------|--------|----------|
| | Thickness | Width | Length | SF |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Accessories | Length | Size | Diam. | Quantity |
| Insulation Stick Pin | | | | |
| White Navy Washers | N.A. | | | |
| Std. Lock Washers | N.A. | | | |
| Joint Tape | N.A. | | Roll | |

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



**Specialty Products
and Insulation**

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Board



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 visit
<http://www.spi-co.com>*

*Please ask your SPI Sales Representative about
other fabrication products and services.*