



# SPECIALTY PRODUCTS & 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

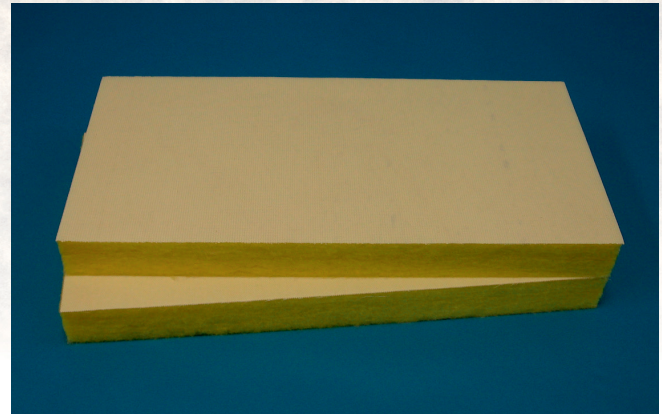
59M Fiberglass Hull Board is easy to cut and fit and installs with appropriate insulation pins, clips and tape. It can also be fabricated into beam wraps and other structural component covers.

### 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/m<sup>3</sup>)

#### Thermal Conductivity

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

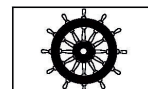
\*Noise reduction coefficient.

**Base Board SCS Certified - Minimum 25% Recycled Content**

Note: properties as reported by base board manufacturer



Intertek



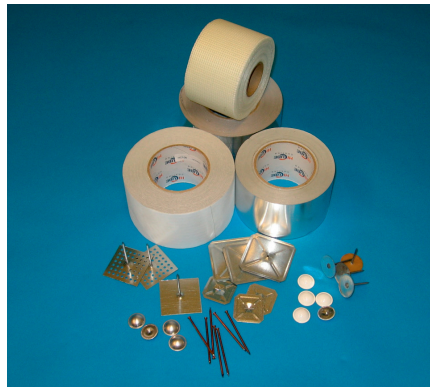
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# 59M Fiberglass Hull Board (White Reinforced Mylar) Quote / Order Form

|                         |         |               |
|-------------------------|---------|---------------|
|                         |         | 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.



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

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 other fabrication products and services.*