



SAN DIEGO SEAL, INC.

INDUSTRIAL & MARINE SEALING DEVICES

7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
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Marine Fiberglass Hullboard Insulation



DESCRIPTION

Thermal and acoustical insulation products fabricated from fiberglass hullboard.

Passive firewall insulations made from mineral wool and other high-temperature boards.

APPLICATIONS

- Shipboard hulls, bulkheads, overheads, stiffeners, beams, and ductwork requiring thermal protection.
- Bulkheads, stiffeners, and beams that require treatment for fire impingement.
- Shipboard applications requiring USCG fire ratings per USCG No. 164.00

STANDARD TYPES

- N3A—Plain fiberglass marine hullboard, per MIL-I-742, Ty. II
- NC3A—N3A hullboard faced with fiberglass cloth per MIL-C-20079, Ty. I, Cl. 2. Finished product meets MIL-I-742, Ty. I.
- N3A-F (Foil)—N3A hullboard with a 2-mil aluminum foil facing
- NC3A-GRVD (Grooved)—N3A hullboard, grooved/slotted and faced with perforated fiberglass cloth per MIL-C-20079, Ty. I, Cl. 2
- NC3A-P—N3A hullboard laminated to high-density waffle board, faced with perforated fiberglass cloth per MIL-C-20079 Ty. I, Cl. 2. Finished product meets MIL-A-23054.
- Tuffskin 1613—Fiberglass board faced with fiberglass scrim reinforced mylar. Finished product meets MIL-I-22023, Ty. III.
- Low-K 400 and Low-K 600 - 4lb and 6lb density mineral wool approved for USCG applications. Available plain, cloth faced, mylar faced or laminated to high density waffle board.



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Low K 200 and 340 Marine Polyimide Foam



DESCRIPTION

Thermal and acoustical insulation products fabricated from lightweight, fire-resistant polyimide foam.

Open-cell foam available as thermal and acoustical hullboard, pipe covering, and transmission-loss treatment.

Closed-cell foam available for antisweat hull treatment.

APPLICATIONS

- Shipboard hulls, bulkheads, overheads, and ducts requiring thermal and/or acoustical treatment per DOD-I-24688.
- Submarine hull and frame sections requiring sound transmission-loss treatments.
TLT-DB is the U.S. Navy's approved alternate to MIL-T-24708.

FEATURES/BENEFITS

- Weight reduction— Lightweight polyimide foam offers substantial weight savings.
- Fewer mechanical fastening devices required.
- Polyimide foam is inherently fire resistant, thus yielding longer burn-through times, low surface-burning characteristics, very low smoke developed, no significant toxic offgassing.
- Full approval by U.S. Navy.
- Factory-applied facings and jacketings include glass cloth, aluminized Mylar, Tuffskin, perforated glass cloth, and others.
- Improved habitability— Increased resistance to abuse and water damage.
- Shipboard chilled-water lines and systems up to 100°F.
Vapor barrier jacketing or lagging is required per MIL-STD 769 and MIL-STD 635.