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.
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.