

Unifrax FyreWrap® Marine Blanket Insulation

Category : Ceramic , Oxide , Magnesium Oxide , Silicon Oxide

Material Notes:

FyreWrap® Marine Blanket from Unifrax is a totally inorganic, flexible, high-temperature insulation blanket specifically designed to provide passive fire protection for marine applications. The calcia, magnesia, silica chemistry is designed to enhance biosolubility. Unifrax's proprietary fiber spinning technology combined with mechanical needling of the fibers eliminates the need for binders in the product. This results in a material with high tensile strength and superior thermal and acoustical properties. Insulfrax Marine Blanket is chemically stable and its thermal properties are unaffected after exposure to water immersion or high humidity. FyreWrap Marine Blanket provides fire protection insulation for a variety of rated assemblies on marine structures and vessels. Thin, lightweight systems combined with a flexible product form result in lower installation costs and significant weight savings. This offers builders and owners reduced structure weight, which may yield increased vessel speed, fuel savings and available payloads. FyreWrap Marine Blanket provides the following product features: U.S. Coast Guard approved for steel and aluminum structures; Complies with SOLAS Safety Objectives and new IMO FTP Code fire test requirements; Res. A.754(18) Fire Resisting Division for High Speed Craft (HSC); Res. MSC.45(65) Fire protection structural insulation for bulkheads and decks; Significant weight savings versus mineral wool systems; Flexible blanket is easy to cut and install.

Applications:
FyreWrap Marine Blanket is utilized to insulate bulkheads and decks on passenger and vehicle fast ferries, cruise ships, commercial and military vessels, and offshore oil platforms. Tested systems are in compliance with U.S. Coast Guard regulations, now defined under IMO Res. A.754(18). Typical applications include: Steel bulkheads and decks; Aluminum bulkheads and decks, including extruded thin plate designs (min. 2mm thick); Vehicle loading areas, engine rooms, storage areas, etc. Various H-Rated offshore structures; Non-combustible insulation.

Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-FyreWrap-Marine-Blanket-Insulation.php

Physical Properties	Metric	English	Comments
Loss On Ignition	0.00 %	0.00 %	

Thermal Properties	Metric	English	Comments
Melting Point	1260 °C	2300 °F	

Descriptive Properties	Value	Comments
ASTM C136 Non-combustibility	Pass	
Temperature Grade (°C)	1100	

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