



U.S. Department of Transportation
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 164.107/10

Expires: 18 March 2007

STRUCTURAL INSULATION (IMO)

UNIFRAX CORPORATION
2351 WHIRLPOOL STREET
NIAGARA FALLS NY 14305

"Insulfrax Marine Blanket" of 96 kg/m³ and 128 kg/m³ nominal density are A-class calcium-magnesium-silicate fiber insulations for steel bulkheads and decks. Tested and approved in accordance with IMO FTP Code Annex 1 (Part 3) and Annex 2.

Approved as Class A-60 steel bulkhead insulation using 128 kg/m³ density blanket at 38 mm thick plus a 25 mm thick blanket of the same density. Class A-60 steel deck using 96 kg/m³ density blanket at 38 mm thick. Class A-30 steel deck using 96 kg/m³ density blanket at 25 mm thick. Blanket must be compressed 30 mm at all joints to avoid gaps. Attachment using 3 mm diameter steel pins with 38 mm diameter steel washers/clips. Insulation details and pin spacing to be in accordance with manufacturer's instructions. IMO FTP Code test method: Res. A.754(18). Product meets non-combustibility by complying with IMO FTP Code, Annex 2.

Identifying Data: Danish Institute of Fire and Security Technology (DIFT) File No. PG10959, PG10978, and PG10811. Unifrax Drawings of test installation included in DIFT Files. USCG letter dated 18 March 2002.

Follow-Up Program: DIFT

Only valid for insulation manufactured at the following location:

Unifrax Corp.
54401 Smilax Road
New Carlisle, IN 46552
USA

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 18th DAY OF
MARCH 2002, AT WASHINGTON D.C.

R. L. MARKLE
Chief, Lifesaving and Fire Safety Standards Division
BY DIRECTION OF THE COMMANDANT, U.S.C.G.