



**U.S. Department of Transportation
United States Coast Guard**

Certificate of Approval

Coast Guard Approval Number: 164.107/13

Expires: 18 March 2007

STRUCTURAL INSULATION (IMO)

**UNIFRAX CORPORATION
2351 WHIRLPOOL STREET
NIAGARA FALLS NY 14305**

"Insulfrax Marine Blanket" of 96 kg/m³ nominal density is an A-class calcium-magnesium-silicate fiber insulation for restricted applications on aluminum bulkheads. Tested and approved to the IMO FTP Code Annex 1 (Part 3) and Annex 2.

Approved for restricted applications on the stiffened side of A-60 aluminum fire-resisting bulkheads where fire hazard has been identified as being from the insulated side only. Class A-60 aluminum bulkhead using 96 kg/m³ density blanket at 50.8 mm thick. Blanket must be compressed 30 mm at all joints to avoid gaps. Attachment using 3 mm diameter pins (steel or Al) with 38 mm diameter washers/clips (steel or Al). Insulation details and pin spacing to be in accordance with manufacturer's instructions. IMO FTP Code test methods: 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. PG11002. Use of aluminum pins and clips supported in DIFT File No. PG10873. Unifrax Drawing of test installation included in DIFT File. 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.