



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

Coast Guard Approval Number: 164.107/12

Expires: 18 March 2007

STRUCTURAL INSULATION (IMO)

UNIFRAX CORPORATION  
2351 WHIRLPOOL STREET  
NIAGARA FALLS NY 14305

"Insulfrax Marine Blanket" of 96 kg/m<sup>3</sup> nominal density is an A-class calcium-magnesium-silicate fiber insulation for aluminum bulkheads and decks. Tested and approved in accordance with IMO FTP Code Annex 1 (Part 3) and Annex 2.

Approved as Class A-60 aluminum bulkhead insulation using 96 kg/m<sup>3</sup> density blanket at 55 mm thick on both sides. Class A-60 aluminum deck using 96 kg/m<sup>3</sup> density blanket at 50 mm thick. Class A-30 aluminum deck using 96 kg/m<sup>3</sup> density blanket at 50 mm thick. Blanket must be compressed 30 mm at all joints to avoid gaps. Attachment using 3 mm diameter steel (Al permitted for bulkhead) pins with 38 mm diameter steel (Al permitted for bulkhead) 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. PG10873, PG10685, and PG10651. 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 18<sup>th</sup> DAY OF  
MARCH 2002, AT WASHINGTON D.C.

*R. L. Markle*  
R. L. MARKLE

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