

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

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16714/164.117/39
December 7, 2009

Mr. David Robinson
Technical Director
ITW Polymer Technologies
565 Eagle Rock Avenue
Roseland, NJ 07068

Subj: TYPE APPROVAL FOR MS-7CZ / M-440G NON-SKID DECK COVERING

Dear Mr. Robinson:

We have completed our review of your request for type approval for ITW's MS-7CZ / MS-440G two-part non-skid deck covering.

Representative samples of the material were tested in accordance with the IMO Fire Test Procedures Code (FTP Code), Annex 1, Parts 2 and 6 at Southwest Research Institute (SwRI). The results provided in SwRI fire test reports No. 01.10934.01.652a, No. 01.10934.01.331a, and No. 01.14436.01.306a indicate that the material satisfied the performance requirements for Part 2 (smoke and toxicity) as well as part 6 (primary deck coverings). Since the intended end use of the product is as a non-skid floor finish, the approval has been issued under approval series 164.117 (floor coverings). Annex II of the FTP Code indicates that products that have been successfully tested to part 6 of the FTP Code are considered to comply with Part 5, without testing.

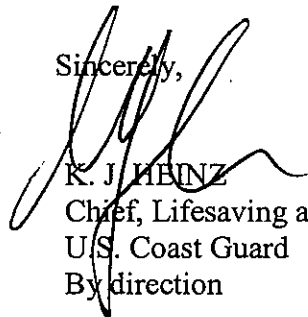
During the testing of your product, the laboratory identified variations in the peak heat release rate (q_p) that fell outside the baseline average value recorded during previous testing. It appears that this was due to the irregular finished surface of the material, and the concomitant variation in thickness. Periodic screening tests of the product are required to verify that the formulation of the product remains identical to that tested. In this case, the variations in surface finish could lead to false-negative results. Thus, future screening tests will be considered acceptable for any peak heat release values of 4 kW or less.

Your type approval certificate valid for 5 years is enclosed. Please note the general conditions of approval listed on the back of the original certificate form. An additional condition of continued USCG approval is the retention of SwRI's follow-up service program at your manufacturing facility.

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Please ensure that each container or its packaging is permanently marked with the manufacturer's name, date of manufacture and the Coast Guard approval number. If you have any questions concerning this approval please contact Mr. Randall Eberly of my staff at (202) 372-1393.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. HEINZ', is written over the typed name.

R. J. HEINZ
Chief, Lifesaving and Fire Safety Division
U.S. Coast Guard
By direction

Encl: Certificate No. 164.117/39/0
Copy: SwRI



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 164.117/39/0

Expires: 07 December 2014

FLOOR COVERINGS (IMO)

ITW AMERICAN SAFETY TECHNOLOGIES
565 Eagle Rock Avenue
Roseland NJ 07068

MS-7CZ Primer / MS-440G Non-skid deck covering system tested in accordance with the IMO FTP Code, Parts 2 & 6.

Two-part general purpose non-skid deck covering applied over MS-7CZ epoxy-polyamide primer system. Application of MS-440G product to be 25-30 square feet per gallon, resulting in an irregular surface finish between 1-6 mm in thickness. Automatically qualifies as a floor finish under FTP Code Part 5 in accordance with Annex II.

Identifying data: SwRI fire test report No. 01.10934.01.652a dated November 18, 2005, test report No.01.10934.01.331a dated November 30, 2005, test report No. 01.14436.01.306a dated July 2, 2009, and USCG letter dated December 7, 2009.

Follow-up: SwRI.

Approval valid only for products manufactured at above location.



1408/09

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and issue a Declaration of Conformity as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 2004 and by the "Agreement between the European Free Trade Association countries which are part of the European Economic Area and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed October 2005. Item complies with requirements of Annex A.1, Item No. A.1/3.18 of the directive.

*** 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 7th DAY OF
DECEMBER 2009, AT WASHINGTON D.C.

[Handwritten Signature]
K. J. HEINZ
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT