EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. MED339114CS/016

This is to certify, *that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Directive 2013/52/EU*

MED Item N°	**A.1/3.18c**
USCG Category N°	**164.117**
Description	**Surface materials and floor coverings with low flame-spread characteristics - (c) floor coverings**
Type	**KERALASTIC**
Applicant	**MAPEI S.P.A.** VIA CAFIERO, 22 20158 MILANO (MI) ITALY
Testing standards	**IMO Res. MSC.307(88)-(2010 FTP Code)**
Reference standards	**Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment**

Issued at Genoa on
March 18, 2015

This Certificate is valid until
March 17, 2020

This Certificate consists of this sheet plus an attachment

Massimo Dinale
RINA Services S.p.A.

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Manufacturer
ISE02

Place of Manufacturer
STRADA PROVINCIALE 159
20100 ROBBIANO DI MEDIGLIA (MI)
ITALY

Product description

Two-component polyurethane adhesive (epoxy resins 8 ± 3%, amine resins 6 ± 2%, polyurethane resins 24 ± 5%, calcium carbonate 55 ± 5%, plasticizers 5 ± 3% and additives).

Mass per area (g/m^2)	1500 ± 500
Thickness (mm)	1 ± 0,5

Field of application

As deck finishing material.
The product may be applied to any metallic support having a thickness ≥ 2,25 mm and to any non-combustible support.
On the basis of the value of the total heat release (Q_t) and on the basis of the value of the peak heat release (q_p) the material is deemed not generating excessive quantities of smoke nor toxic products in fire according to Annex 2 IMO 2010 FTP Code.

Tests carried out

Tests as per RINA Test Laboratory Report No. 2014CS013391/27 dated 18 March 2015 issued according to IMO 2010 FTP Code Part 5.

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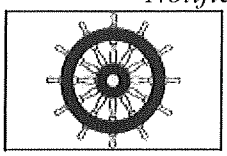
The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex B of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YY

"WHEELMARK FORMAT"
XXXX *Notified Body number undertaking surveillance module*
YY *Last two digits of year mark affixed*

USCG Approval

This product has been assigned a U.S. Coast Guard module B number (*USCG number:* **164.117/EC0474**) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval 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 27th, 2004.
The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

General conditions for the approval

a) The initial conditions verified by RINA at the time of the approval are to be maintained

b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment

c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA

d) RINA personnel are to be allowed to witness during the performances of activities, upon their request

e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules

f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

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