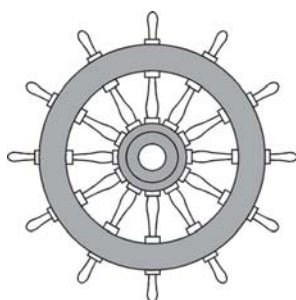


EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that Eurofins Expert Services Ltd did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission implementing regulation (EU) 2020/1170 subject to any conditions in the schedule attached hereto.

A-60 Aluminium Deck, PAROC Marine Fire Slab 100, 25+25 mm

meet the requirements imposed in IMO 2010 FTP Code, Annex 1 Part 3
(IMO Resolution MSC.307(88) Annex 1 Part 3) on

Class A-60 Deck

and the provisions of Marine Equipment Directive 2014/90/EU, that apply to

fire integrity of A-60 Class division.

These products have been assigned a U.S. Coast Guard Module B number (**164.107 / EC0809**) 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 and amended by Decision No.1/2018 signed February 18th 2019.

Manufacturer of the product is

Paroc Polska Sp. z o.o

The Certificate is valid until April 26, 2026 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo April 26, 2021

This document is electronically approved

Tiina Ala-Outinen
Manager, Building Structures

Heli Välimäki
Senior Expert

| | |
|----------------------------|---|
| Manufacturer | Paroc Polska Sp. z o.o. Gnieznienska 4, PL-62-240 Trzemeszno, Poland |
| Regulation Item | MED /3.11a, "A" Class divisions, fire integrity. |
| Product | Class A-60 Aluminium Deck insulated with PAROC Marine Fire Slab 100, 25+25 mm. |
| Product description | <p>"A" Class aluminium deck insulated with stone wool slabs, PAROC Marine Fire Slab 100, having a nominal density of 100 kg/m³. Unexposed side of the deck can be covered with non-combustible primary deck covering mass with nominal density range of 900 - 2000 kg/m³ thickness range of 10 mm - 40 mm.</p> <p>The insulation is applied in two 25 mm thick layers between the stiffeners on exposed side. The same 25 mm thick insulation covers also the stiffeners with two layers. Insulation is fastened by using steel pins with size of 3 x 80 mm and steel washers with diameter of 38 mm or with bent pins without washers. The maximum distance of pins is 300 mm.</p> |
| Approved application | <p>The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive.</p> <p>Each product is to be supplied with its manual for installation, use and maintenance.</p> |
| Technical document | Drawing no 15002 (17.3.2015) of manufacturer. |
| Test reports | <p>EUFI29-20005633-T1 (February 4, 2021), Eurofins Expert Services Oy, Finland No. 2015CS011240/2 (May 22, 2013) of RINA, Italy Assessment report for Paroc - A60 Aluminium Deck, 2015028x/TCHU_Rev.1 (9/2015), Rina, Italy</p> |
| Test methods and standards | IMO 2010 FTP Code Annex 1 Part 3 (IMO Resolution MSC.307(88) Annex 1 Part 3) |
| Notes | <p>This certificate replaces the previous EC Type-Examination Certificate (B-module) VTT-C-11601-15-16.</p> <p>This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.</p> <p>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.</p> <p>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 and controlled by a written inspection agreement with a notified body.</p> |

END OF CERTIFICATE