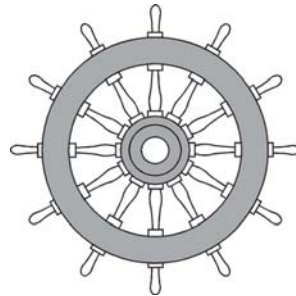


EC TYPE-EXAMINATION CERTIFICATE

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-30 Steel Deck, PAROC Marine Fire Slab 80, 40/160 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-30 Deck

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

fire integrity of A-30 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 Ab

The Certificate is valid until May 6, 2026 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo May 6, 2021

This document is electronically approved

Tiina Ala-Outinen
Manager, Building Structures

Heli Välimäki
Senior Expert

Manufacturer	Paroc Ab FI-53394 Hällekis Sweden
Regulation Item	MED /3.11a, "A" Class divisions, fire integrity.
Products	Class A-30 Steel Deck insulated with PAROC Marine Fire Slab 80, 40/160 mm.
Product description	<p>"A" Class steel deck insulated with PAROC Marine Fire Slab 80 stone wool slabs having a nominal density of 80 kg/m³. The insulation is applied in one min. 40 mm thick layer between the stiffeners and along the both sides of the stiffener webs for minimum length of 160 mm. Stiffeners that are less than 160 mm high shall be insulated around.</p> <p>The insulation is fastened by using steel pins and steel washers or with bent pins without washers. The maximum distance to the nearest pin 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 16001 (10.2.2016) of manufacturer.
Test reports	No. 2016CS01482/1 (March 21, 2016) of RINA, Italy. EUFI29-19005633-T14 (31.12.2019), Eurofins Expert Services Oy, Finland.
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-11598-15-16.</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