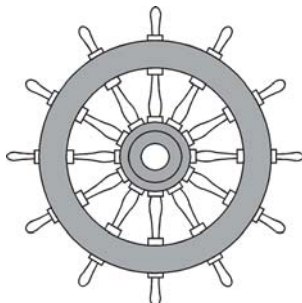


# EC TYPE-EXAMINATION CERTIFICATE

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) 2022/1157 subject to any conditions in the schedule attached hereto.

## **Corrugated steel bulkhead A-60, PAROC Marine Fire Slab 100, 40 mm + 40 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 Bulkhead**

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 18<sup>th</sup> 2019.

Manufacturer of the product is

### **Paroc Polska Sp. z o.o.**

The Certificate is valid until February 8, 2028 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo February 8, 2023

This document is electronically approved

Katja Vahtikari  
Manager, Certification and Inspection

Heli Välimäki  
Senior Expert

Manufacturer	Paroc Polska Sp. z o.o. Gnieznienska 4, 62-240 Trzemeszno, Poland
Regulation Item	MED /3.11a, "A" Class divisions, fire integrity.
Product description	<p>Corrugated "A" Class steel bulkhead, insulated with PAROC Marine Fire Slab 100, 40 mm + 40 mm, with nominal density of 100 kg/m<sup>3</sup>.</p> <p>Corrugated steel bulkhead is min. 2.0 mm thick and depth of corrugation can be varied from 40 mm to 90 mm and flange width from 120 mm up to 300 mm. Pitch from 286 mm to 700 mm.</p> <p>The insulation is applied in horizontal direction on two 40 mm thick layers on the corrugated steel surface. Insulation is fastened with pins and washers or with bent pins. Pins are fastened to the top flange of corrugation, c/c 300 mm unless the dimensions of the corrugation require to use shorter distance (min. 12 pins per m<sup>2</sup>).</p> <p>Insulation layers can be staggered with minimum of 120 mm distance.</p>
Approved application	<p>Non-loadbearing A-60 class steel bulkhead. The construction shall not be used as part of main fire zone bulkheads and stairways enclosures on passenger ships (ref. IMO MSC/Circ. 1005).</p> <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	Drawings 17003-2 (7.4.2017) and 17003-1 (14.3.2017) of manufacturer.
Type examination documentation	<p>PGA10999A, 30.3.2017, DBI, Denmark.</p> <p>PGA11036A, 1.5.2017, DBI, Denmark.</p> <p>EUFI29-22004826-T2, 6.2.2023, Eurofins Expert Services Oy, Finland</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-12271-15-18.</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