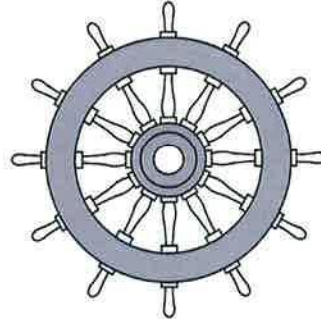


# EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

**PAROC Marine Slab 22 - 250**  
**PAROC Marine Slab LO 150**  
**PAROC Marine Slab VLO 150**  
**PAROC Marine Floor Slab 140**

meet the requirements imposed in IMO 2010 FTPC, Annex 1 Part 1 (IMO Resolution MSC.307(88) Annex 1 Part 1) and the provisions of Marine Equipment Directive 96/98/EC, as amended, last amendment 2013/52/EU, that apply to

**non-combustible materials.**

These products have been assigned a Guard Module B number (**164.109 / 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.

Manufacturer of the product is

**Paroc Group Oy**

The Certificate is valid until May 10, 2020 unless cancelled or revoked, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo May 11, 2015



Tiina Ala-Outinen  
Business Manager



Ritva Paalanen  
Lead Assessor

Manufacturer	Paroc Group Oy P.O.Box 240, Energiakuja 3 FI-00181 HELSINKI, Finland.
Equipment	Annex A.1 Item No A.1/3.13, non-combustible materials.
Product	PAROC Marine Slab 22 - 250. PAROC Marine Slab LO 150. PAROC Marine Slab VLO 150. PAROC Marine Floor Slab 140.
Product description	PAROC Marine Slab 22 - 250: Stone wool slabs with nominal density of 22 - 250 kg/m <sup>3</sup> . PAROC Marine Slab LO 150: Stone wool slabs with nominal density of 150 kg/m <sup>3</sup> . PAROC Marine Slab VLO 150: Stone wool slabs with nominal density of 150 kg/m <sup>3</sup> . PAROC Marine Floor Slab 140: Stone wool slabs with nominal density of 140 kg/m <sup>3</sup> .
Technical document	Product description, PAROC Marine Slabs, December 2012 and March 2015 (Marine fie slab 80, Marine fie slab 130, Marine fie slab 160 and Marine fie slab 220).
Test reports	Test Report VTT-S-8346-13, 2 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-1082-15, 19 March 2015, VTT Expert Services Ltd. Finland Test Report VTT-S-1084-15, 19 March 2015, VTT Expert Services Ltd. Finland. Test Report VTT-S-8354-13, 3 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-2061-15, 11 May 2015, VTT Expert Services Ltd. Finland. Test Report VTT-S-8347-13, 2 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-1078-15, 19 March 2015, VTT Expert Services Ltd. Finland Test Report VTT-S-8349-13, 3 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-7669-13, 2 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-8353-13, 3 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-7731-13, 2 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-7732-13, 2 December 2013, VTT Expert Services Ltd. Finland Test Report VTT-S-8348-13, 3 December 2013, VTT Expert Services Ltd. Finland. Test Report VTT-S-1083-15, 19 March 2015, VTT Expert Services Ltd. Finland. Test Report VTT-S-8344-13, 2 December 2013, VTT Expert Services Ltd. Finland.
Test methods	IMO 2010 FTPC Part 1 (IMO Resolution MSC. 307(88) Annex 1 Part 1).
Notes	This certificate replaces the previous EC Type-Examination Certificates (B-module) VTT-C-5817-15-10.

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.

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.

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.



END OF CERTIFICATE