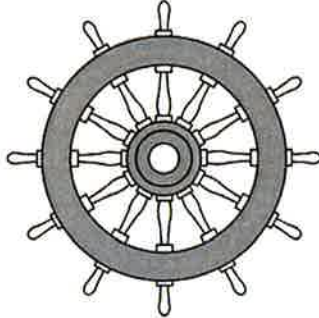


EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

PAROC Pro Section 100
PAROC Pro Section 140
PAROC Pro Combi 100
PAROC Hvac Section
PAROC Hvac Combi

meet the requirements imposed in IMO FTPC, Part 1 (IMO Resolution MSC.61(67) Annex 1 Part 1) and in Marine Equipment Directive (96/98/EC amendments 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC and 2009/26/EC) on

non-combustible materials.

These products have been assigned a U.S.Coast 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 February 27, 2016 unless cancelled or revoked, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo February 28, 2011



Lina Markelin-Rantala
Team Manager



Ritva Paalanen
Assessor

Manufacturer	Paroc Group Oy, Lökkisepäntie 23, P.O.Box 47, FI-00621 Helsinki, Finland.
Equipment	Annex A.1 Item No A.1/3.13, non-combustible materials.
Products	PAROC Pro Section 100, PAROC Pro Section 140 and Paroc Pro Combi 100 PAROC Hvac Section and PAROC Hvac Combi.
Product descriptions	<p>PAROC Pro Section 100: Stone wool pipe section with nominal density 100 - 154 kg/m³ depending on the dimensions.</p> <p>PAROC Pro Section 140: Stone wool pipe section with nominal density 140 kg/m³.</p> <p>PAROC Pro Combi 100: Stone wool pipe section with nominal density 100 kg/m³ and with corrugated inner surface.</p> <p>PAROC Hvac Section: Stone wool pipe section with nominal density 85 - 120 kg/m³ depending on the dimensions.</p> <p>PAROC Hvac Combi: Stone wool pipe section with nominal density 100 kg/m³ and with corrugated inner surface.</p>
Technical documents	<p>Product description, PAROC Pro Section 100, February 1, 2010.</p> <p>Product description, PAROC Pro Section 140, February 1, 2010.</p> <p>Product description, PAROC Pro Combi 100, March 26, 2010.</p> <p>Product description, PAROC Hvac Section, December 28, 2010.</p>
Test reports	<p>Test Report VTT-S-4107-07, 3 May 2007, VTT Finland.</p> <p>Test Report VTT-S-9842-07, 14 November 2008, VTT Finland.</p> <p>Test Report VTT-S-618-11, 26 January 2011, VTT Expert Services Ltd Finland.</p>
Test method	IMO FTPC Part 1 (IMO Resolution MSC. 61(67) Annex 1 Part 1) Non-combustibility test (test procedure ISO 1182:2002).
Notes	<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

