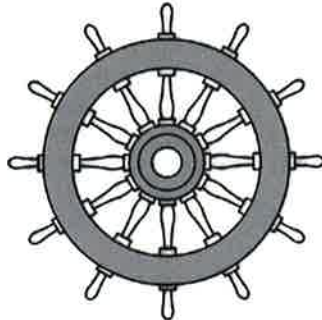


## EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

### **A-60 Steel Deck, Paroc Marine Fire Slab100, 40/25 mm**

meets the requirements imposed in IMO FTPC, Part 3 (IMO Resolution MSC.61(67) Annex 1 Part 3)

### **Class A-60 Deck**

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) 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.

Manufacturer of the product is


### **Paroc Group Oy.**

The Certificate is valid until March 30, 2016 unless cancelled or revoked, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo March 31, 2011

  
Lina Markelin-Rantala  
Team Manager



  
Ritva Paalanen  
Assessor

Manufacturer	Paroc Group Oy, Lökkisepantie 23, P.O.Box 47, FI-00621 Helsinki, Finland.
Equipment	Annex A.1 Item No A.1/3.11, "A" and "B" Class divisions, fire integrity.
Products	Class A-60 Steel Deck insulated with PAROC Marine Fire Slab 100, 40/25 mm.
Product descriptions	"A" Class steel deck insulated from below with stone wool slabs having the nominal density of 100 kg/m <sup>3</sup> . The insulation is applied in one layer. Between the stiffeners the thickness of the insulation layer is 40 mm. Upon the stiffeners the thickness of the insulation layer is 25 mm. The insulation is fastened by using steel pins with a size of 3 x 35...45 mm and steel washers with a diameter of 38 mm or with bent pins without washers. The maximum distance of the pins is 300 mm.
Application	General application.
Technical documents	Drawing no 355919 (12.10.2000) of the manufacturer.
Test reports	Test report No. 2000CSTO1556/6 (12 March 2001) of RINA, Italy. Test Report VTT-S-10302-10, December 21, 2010, VTT Expert Services Ltd, Finland.
Test method	IMO FTPC Part 3 (IMO Resolution MSC. 61(67) Annex 1 Part 3), (test procedure IMO Res.A.754(18) (4 November 1993), Recommendation on fire resistance tests for "A", "B" and "F" class divisions.  IMO FTPC Part 1 (IMO Resolution MSC. 61(67) Annex 1 Part 1) Non-combustibility test (test procedure ISO 1182:2002).
Notes	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

