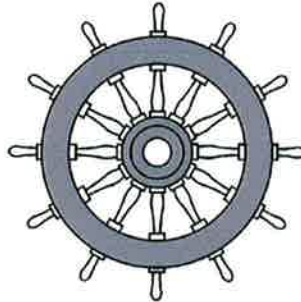


EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that the examined products with type designations

**A-60 Steel Bulkhead Paroc Marine Wired Mat 100 or Paroc Marine Mat 100,
80/30 mm**

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

Class A-60 Bulkhead

and the provisions of Marine Equipment Directive 96/98/EC, as amended, last amendment
2010/68/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 27, 2004.

Manufacturer of the product is

Paroc Group Oy.

The Certificate is valid until February 23, 2017 unless cancelled or revoked, provided the
conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo February 24, 2012


Liisa Rautiainen
Assessment Manager




Ritva Paalanen
Assessor

Manufacturer	Paroc Group Oy, Läkkipäntie 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 Bulkhead insulated with Paroc Marine Fire Mat 100, 80/30 mm.
Product descriptions	"A" Class steel bulkhead insulated with stone wool mat having a nominal density of 100 kg/m ³ . The surface of the insulation can be covered with a steel wire net (Paroc Marine Wired Mat 100) or can be without the net (Paroc Marine Mat 100). Between the stiffeners the thickness of the insulation layer is minimum 80 mm. Upon the stiffeners, the thickness of the insulation layer is minimum 30 mm. The insulation is fastened by using steel pins with a diameter of 3 mm and steel washers with a diameter of 38 mm or with bent pins without washers. The maximum distance of pins is 300 mm.
Application	General application.
Technical documents	Drawing no 356060 (28.09.2001) of the manufacturer.
Test reports	Test report No. 2001CSTO350/1A of RINA, Italy, 4.3.2002. Test Report VTT-S-9013-10, 15 November 2010, VTT Expert Services Ltd, Finland. Test Report VTT-S-99671-10, 21 December 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). IMO FTPC Part 1 (IMO Resolution MSC. 61(67) Annex 1 Part 1) Non-combustibility test (test procedure ISO 1182:1990).
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

