



MARINE DIVISION

Certificate number: 20263/B0 BV
File number: ACI 1000/129/73-74-92-93
Product code: 5210H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

PAROC GROUP OY
 HELSINKI - FINLAND

for the type of product

NON-COMBUSTIBLE MATERIALS

PAROC Pro Section 100, PAROC Pro Section 140, PAROC Hvac Section, PAROC Pro Combi 100 and PAROC Hvac Combi

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4., SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, X/3., IMO Resolution MSC.36(63) - (1994 HSC Code) 7 and IMO Resolution MSC.97(73) - (2000 HSC Code) 7., IMO Resolution MSC.61(67) - (FTP Code) Annex 1 Part 1., IMO MSC/Circ.1120. - IMO Res. MSC.307(88) FTP Code 2010 §8

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 13 Jan 2019

For BUREAU VERITAS,

At BV HELSINKI, on 13 Jan 2014,

Tommy Andersson



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Paro Pro Section 100 : Stone wool pipe section
Paroc Pro Section 140 : Uncoated stone wool pipe section
Paroc Hvac Section : Stone wool pipe section
Paroc Pro Combi 100 : Stone wool pipe section with star shape inside
Paroc Hvac Combi : Stone wool pipe section with star shape inside

Non-combustible material having the following density:

Type	Nominal density (kg/m ³)
PAROC Pro Section 100	100
PAROC Pro Section 140	140
PAROC Hvac Section	85
PAROC Pro Combi 100	100
PAROC Hvac Combi	85

2. DOCUMENTS AND DRAWINGS :

None.

3. TEST REPORTS :

Paroc Section 100 :Test reports N° VTT-S-226-12 dated 09/01/2012 as per IMO FTPC Part 1from VTT, Finland.
Paroc Section 140 :Test reports N° RTE664/05 dated 17/05/2005 as per IMO FTPC Part 1from VTT, Finland.
Paroc Hvac Section: Test report N° VTT-S-618-11 dated 26/01/2011 as per IMO FTPC Part 1from VTT, Finland.
Paroc Pro Combi 100 and Paroc Hvac Combi : Statement N° VTT-S-4398-13, dated 18/06/2013, from VTT Finland.

4. APPLICATION / LIMITATION :

- 4.1- Flame spread, smoke characteristics and calorific value of the lining to be as per applicable regulations.
- 4.2- The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS :

The **PAROC Pro Section 100, PAROC Pro Section 140, Paroc Hvac Section, Paroc Pro Combi 100 and Paroc Hvac Combi** are to be supplied by **Paroc Group Oy** in compliance with the type described in this certificate.

This type of product is within the category HBV of Bureau Veritas Rule Note NR320.

Paroc Group Oy has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products :

PAROC GROUP OY
P.O. Box 47
FI-00621 HELSINKI
FINLAND

6. MARKING OF PRODUCT :

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

7. OTHERS :

7.1-This approval is given on the understanding that the Manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes BV Type Approval Certificate N° 20263/A2 BV previously issued by the Society.

***** END OF CERTIFICATE *****