



Marine & Offshore
Division

Certificate number: 24480/B0 BV
File number: ACI 1000/129/40 to43, 45,
48, 66, 88, 89, 90
Product code: 5210H

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

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to
PAROC GROUP OY
HELSINKI - FINLAND

for the type of product
NON-COMBUSTIBLE MATERIALS

PAROC Marine Slab 30-250 - PAROC Marine Slab LO 150 - PAROC Marine Slab VLO 150 - PAROC Marine Floor
Slab 140

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
IMO Resolution MSC.97(73) - (2000 HSC Code) 7.
IMO Res MSC.307(88) (2010 FTP Code)

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: 06 May 2021

For BUREAU VERITAS,
At BV HELSINKI, on 06 May 2016,
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 & Offshore 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:

Designation	Description	Nominal density (kg/m ³)	Nominal organic content (%)
PAROC Marine Slab 30	Stone wool slab Thickness from 50 mm to 200 mm	30	1.7
PAROC Marine Slab 40	Stone wool slab Thickness from 50 mm to 100 mm	40	1.9
PAROC Marine Slab 60	Stone wool slab Thickness from 50 mm to 120 mm	60	1.7
PAROC Marine Slab 80	Stone wool slab Thickness from 30 mm to 180 mm	80	2.5
PAROC Marine Slab 130	Stone wool slab Thickness from 30 mm till 120 mm	130	1.9
PAROC Marine Slab 140	Stone wool slab Thickness from 30 mm to 100 mm	140	1.6
PAROC Marine Slab 150	Stone wool slab Thickness from 20 mm to 60 mm	150	3.9
PAROC Marine Slab 160	Stone wool slab Thickness from 20 mm to 70 mm	160	2
PAROC Marine Slab 180	Stone wool slab Thickness from 20 mm to 70 mm	180	1.9
PAROC Marine Slab 200	Stone wool slab Thickness from 10 mm to 25 mm	200	1.9
PAROC Marine Slab 220	Stone wool slab Thickness from 10 mm to 25 mm	220	2.5
PAROC Marine Slab 250	Stone wool slab Thickness from 10 mm to 25 mm	250	2.5
PAROC Marine Slab LO 150	Stone wool slab (cut to lamellas) Thickness from 20 mm to 120 mm	150	1.2
PAROC Marine Slab VLO 150	Stone wool slab Thickness from 20 mm to 120 mm	150	0.7
PAROC Marine Floor Slab 140	Stone wool slab Thickness from 30 mm to 100 mm	140	1.6

2. DOCUMENTS AND DRAWINGS:

Technical data sheets dated 12/10/2015.

3. TEST REPORTS:

Designation	Test reports from VTT, Finland	Date of issue
PAROC Marine Slab 30	N° VTT – S-1082-15	19/03/15
PAROC Marine Slab 40	N° VTT – S-1084-15	19/03/15
PAROC Marine Slab 60	N° VTT – S-5564-15	09/12/15
PAROC Marine Slab 80	N° VTT – S-2061-15	11/05/15
PAROC Marine Slab 130	N° VTT – S-5291-15	18/11/15
PAROC Marine Slab 140	N° VTT – S-5561-15	27/11/15
PAROC Marine Slab 150	N° VTT – S-1078-15	19/03/15
PAROC Marine Slab 160	N° VTT – S-5563-15	09/12/15
PAROC Marine Slab 180	N° VTT – S-5565-15	09/12/15
PAROC Marine Slab 200	N° VTT – S-5292-15	18/11/15
PAROC Marine Slab 220	N° VTT – S-5559-15	27/11/15
PAROC Marine Slab 250	N° VTT – S-5558-15	27/11/15
PAROC Marine Slab LO 150	N° VTT – S-5286-15	18/11/15
PAROC Marine Slab VLO 150	N° VTT – S-1083-15	19/03/15
PAROC Marine Floor Slab 140	N° VTT – S-5561-15	27/11/15

All test reports are as per IMO 2010 FTPC- Annex 1 Part 1.

4. APPLICATION / LIMITATION:

4.1 - The fitting aboard to be the same as used for the test.

4.2 - The following component(s) shall have to comply with the requirements of BV Rules and be type approved :

- the insulating materials "PAROC Marine Slab 30", "PAROC Marine Slab 40", "PAROC Marine Slab 60", "PAROC Marine Slab 80", "PAROC Marine Slab 130", "PAROC Marine Slab 140", "PAROC Marine Slab 150", "PAROC Marine Slab 160", "PAROC Marine Slab 180", "PAROC Marine Slab 200", "PAROC Marine Slab 220", "PAROC Marine Slab 250", "PAROC Marine Slab LO 150", "PAROC Marine Slab VLO 150" and "PAROC Marine Floor Slab 140"

- any added finish surface material(s).

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The materials "PAROC Marine Slab 30", "PAROC Marine Slab 40", "PAROC Marine Slab 60", "PAROC Marine Slab 80", "PAROC Marine Slab 130", "PAROC Marine Slab 140", "PAROC Marine Slab 150", "PAROC Marine Slab 160", "PAROC Marine Slab 180", "PAROC Marine Slab 200", "PAROC Marine Slab 220", "PAROC Marine Slab 250", "PAROC Marine Slab LO 150", "PAROC Marine Slab VLO 150" and "PAROC Marine Floor Slab 140" are to be supplied by PAROC GROUP OY in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - 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.

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 - It is PAROC GROUP OY's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate n° 24480/A1 BV issued on 03/10/11 by the Society.

*** END OF CERTIFICATE ***