



Marine & Offshore

Certificate number: 68872/A1 BV

File number: ACI 1000/129/118

Product code: 5080H

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

A60 CLASS DECKS

A-60 Floating Floor, PAROC Marine Floor Slab 140, 50 mm or PAROC Marine Slab 220, 25 + 25 mm

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4

SOLAS 74 Convention as amended, Regulations II-2/9, II-2/3.2

IMO Resolution MSC.307(88) - (2010 FTP Code)

IMO MSC/Circ.1120, IMO MSC.1/Circ. 1434, IMO MSC.1/Circ.1435

This certificate is issued to attest that Bureau Veritas Marine & Offshore 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: 17 Jan 2027

For Bureau Veritas Marine & Offshore,

At BV TURKU (ABO), on 21 Feb 2022,

Miika KOKKO



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 Marine & Offshore. 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 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 Marine & Offshore 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 electronic version is available at: <http://www.veristarpn.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=osbnc6na2y>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

A-60 Class Floating Floor "PAROC Marine Floor Slab 140", 50 mm or "PAROC Marine Slab 220", 2x25 mm

A-60 class steel deck insulated above with one 50 mm thick layer of mineral wool type "PAROC Marine Floor Slab 140" (nominal density 140kg/m³) or two 25 mm thick layers of "PAROC Marine Slab 220" (nominal density 220 kg/m³).

The insulation is applied as floating on top of the steel deck.

Insulation is covered with min. 3.0 mm thick steel sheets, which are fixed together with 1.5 x 150 mm steel strips. Steel strips are fixed to the steel sheets either with self-drilling screws (spacing c/c 300 mm) or by welding.

2. DOCUMENTS AND DRAWINGS :

As per the Manufacturer's drawings n°15003-1, 15003-2, 1503-3, dated 14/12/2016.

3. TEST REPORTS :

3.1 - PAROC Marine Floor Slab 140: test report n° PGA10969A dated 04/12/2017 (**test date 14/12/2016**) as per IMO 2010 FTP Code Annex 1 Part 3, from DBI, Denmark.

3.2 - PAROC Marine Slab 220: technical assessment N° PHA11185A dated 12/02/2020, from DBI, Denmark.

4. APPLICATION / LIMITATION :

4.1 - The following components have to be covered by a valid type approval certificate, issued by the Society:

- the insulating materials **"PAROC Marine Floor Slab 140", "PAROC Marine Slab 220"**
- any added finish surface material(s).

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

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The product **A-60 Class Floating Floor "PAROC Marine Floor Slab 140", 50 mm or "PAROC Marine Slab 220", 2x25 mm** 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.

5.4 - For information, **PAROC GROUP OY** has declared to Bureau Veritas the following production site(s):

PAROC GROUP OY
P.O. Box 240
FI-00181 HELSINKI

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°68872/A0 BV issued on 17/01/2022 by the Society.

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