

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Non-Combustible Material**with type designation(s)
PAROC Marine Fire Slab 80-150

Issued to

PAROC GROUP OY
Helsinki, Finlandis found to comply with
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL rules for classification – Ships
DNV GL offshore standards**Application :****Approved for use as non-combustible materials.****This certificate is recognized by Transport Canada.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2019-06-12**This Certificate is valid until **2024-06-11**.
DNV GL local station: **Finland CMC**Approval Engineer: **Jasna Jovovic-Lainis**for **DNV GL**Digitally Signed By: Schei-Nilsson, Mårten
Location: DNV GL Høvik, Norway**Mårten Schei-Nilsson**
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-017560-6**
Certificate No: **TAF000016W**

Product description

"PAROC Marine Fire Slab 80" stone wool fire slab with nominal density of approximately 80 kg/m³.
Nominal organic content is 1.3 ± 0.3 %.

"PAROC Marine Fire Slab 100" stone wool fire slab with nominal density of approximately 100 kg/m³.
Nominal organic content is 1.3 ± 0.3 %.

"PAROC Marine Fire Slab 110" stone wool fire slab with nominal density of approximately 110 kg/m³.
Nominal organic content is 1.3 ± 0.3 %.

"PAROC Marine Fire Slab 120" stone wool fire slab with nominal density of approximately 120 kg/m³.
Nominal organic content is 1.3 ± 0.3 %.

"PAROC Marine Fire Slab 130" stone wool fire slab with nominal density of approximately 130 kg/m³.
Nominal organic content is 1.2 ± 0.3 %.

"PAROC Marine Fire Slab 140" stone wool fire slab with nominal density of approximately 140 kg/m³.
Nominal organic content is 2.4 ± 0.3 %.

"PAROC Marine Fire Slab 150" stone wool fire slab with nominal density of approximately 150 kg/m³.
Nominal organic content is 1.8 ± 0.3 %.

The products are manufactured at the following locations:

- Paroc Polska Sp. z.o.o. Gnieznienska 4, 62-240 Trzemeszno, Poland
- Paroc AB, SE-53394 Hällekis, Sweden
- Paroc Oy Ab, FI-21600, Parainen, Finland

Application/Limitation

Approved for use as non-combustible materials.

The product may be used as an integrated part of approved fire resisting divisions only when tested as such.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

Test report No. VTT-S-06010-17, dated 29 November 2017, from VTT, Espoo, Finland (80)

Test report No. VTT-S-4158-13, dated 31 May 2013, from VTT, Espoo, Finland (100)

Test report No. VTT-S-4460-13, dated 19 June 2013, from VTT, Espoo, Finland (110)

Test report No. VTT-S-8351-13, dated 3 December 2013, from VTT, Espoo, Finland (120)

Test report No. VTT-S-8355-13, dated 3 December 2013, from VTT, Espoo, Finland (140)

Test report No. VTT-S-8352-13, dated 3 December 2013, from VTT, Espoo, Finland (150)

Tests carried out

Tested according to IMO 2010 FTP Code part 1.

Marking of product

The product or packing is to be marked with name of manufacturer and type designation.

Job Id: **262.1-017560-6**
Certificate No: **TAF000016W**

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the products listed in this certificate are in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.