DNV·GL

Certificate No:
TAF0000171

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class H Lightweight Horizontal Partition and Deck

with type designation(s)
H-120 Steel Deck, Paroc Marine Fire Slab 100, 60+60 mm

Issued to
PAROC GROUP OY
Helsinki, Finland

is found to comply with
DNV GL offshore standards

Application :

Approved for use as a fire retarding deck of class H-120.

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: **262.1-017560-12**
Certificate No: **TAF0000171**

Product description

"H-120 Steel Deck, Paroc Marine Fire Slab 100, 60+60 mm"
composed of structural steel deck insulated with two layers of mineral wool panels (PAROC Marine Fire Slab 100, 60 mm (density 100 kg/m^3)).

The mineral wool panels are fitted on the deck plating, on top of the stiffeners and on the stiffener sides. The second insulation layer shall cover the joints of the first layer.

The mineral wool panels are secured to the deck and stiffeners with welded steel pins and washers. Maximum distance of the pins is 300 mm. Steel wire net is fitted on the outer layer of mineral wool panel.

For further details see drawing mentioned under Type Approval documentation below.

The product is 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 a fire retarding deck of class H-120.

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code part 2 and 5) when required according to relevant rules.

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

Type Approval documentation

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

Test report No. 2009CS014737, dated 25 November 2009, from Test Laboratory of RINA, Genova, Italy

Drawing No. 090510, dated 13 October 2009, from the manufacturer

Tests carried out

Tested according to IMO FTP Code Part 3 (IMO Res. A.754(18)) with furnace temperature following the hydrocarbon curve according to ISO 834-3.

Marking of product

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

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 Program DNVGL-CP-0338, Section 4.