Certificate No:
TAF00001T2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class H Lightweight Horizontal Partition and Deck

with type designation(s)
Vikodeck

Issued to
Vipo AS
Krokstadelva, **Norway**

is found to comply with
DNV offshore standards

Application :

Approved for use as a horizontal fire retarding division of class H-0, H-60 and H-120.

Issued at **Høvik** on **2023-05-16**
This Certificate is valid until **2028-05-15**.
DNV local unit: **East & South Norway CMC**

Approval Engineer: **Karolina Kusmider**

for **DNV**

Jowita Permoda
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

"Vikodeck",
is a structural steel deck with rubber mats glued or pinned to the substrate.

Table 1: H-deck rating and corresponding thickness of "Vikodeck" mats

Rating	Thickness	Comment
H-0	10 mm	No temperature limit
H-0_{400}	10 mm	Max temperature rise of 400 ºC (single) after 120 min
H-60	25 mm	Max temperature rise of 140 ºC / 180 ºC (avg. / single) after 60 min
H-120	35 mm	Max temperature rise of 140 ºC / 180 ºC (avg. / single) after 120 min

The materials are manufactured at the following locations:

- Trelleborg, Mjøndalen, Norge

Application/Limitation

Approved for use as a horizontal fire retarding division of class H-0, H-60 and H-120.

Restricted application: fire against rubber mats.

Rubber mats fitted on top of deck may be glued to the substrate. When fitted below deck, the mats are to be pinned to the substrate (except for 30 mm or thicker mats, which may be glued).

The material is not defined as non-combustible and should not be used in accommodation or in enclosed areas.

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.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

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

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. 150070-17, version 2, dated 14 March 2018 from RISE, Trondheim, Norway.
Test report No. 150070-19, version 1, dated 14 March 2018 from RISE, Trondheim, Norway.
Document No. 150070-16, "Summary of test results screening Vikodeck 76209 summer 2017" dated 26 September 2017 from RISE, Trondheim, Norway.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3 with the hydrocarbon time-temperature curve specified in 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'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 DNV-CP-0338, Section 4.