Certificate no.:
TAF00001YB

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Class H Fire Wall and Bulkhead

with type designation(s)
Jotachar JF750 XT / Fiberfrax Durablanket S - H-60 bulkhead

issued to
Jotun A/S
SANDEFJORD, **Norway**

is found to comply with
DNV offshore standards

Application:

Approved for use as fire retarding bulkhead of class H-60.

Restricted Application: Fire against the Jotachar JF750 XT.

Issued at **Høvik** on **2024-11-15**
This Certificate is valid until **2029-10-30**.
DNV local unit: **East & South Norway CMC**

Approval Engineer: **Helge Bjørnarå**

for **DNV**

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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 USD 300 000.

Product description

"Jotachar JF750 XT" – Bulkhead,
composed of a structural steel bulkhead insulated on the exposed side with 4.47 mm epoxy based intumescent coating Jotachar JF750 XT and 25 mm stone mineral wool Fiberfrax Durablanket S (density 96 kg/m^3, manufacturer by Unifrax) on unexposed side. The stone mineral wool is fixed by 3 mm steel pins and spring washers with spacing 265 mm to 300 mm and maximum 200 mm from joints.

The material may be manufactured at the following locations:

- Jotun Paints (Europe) Limited, Scunthorpe, UK.
- Chokwang Jotun Ltd., Busan, Korea.
- Jotun Paints Co LLC, Muscat, Oman.

Application/Limitation

Approved for use as an equivalent vertical fire retarding division of class H-60.

Restricted Application: Fire against Jotachar JF750 XT.

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

Mass density of "Jotachar JF750 XT":

Spray:	1.0 g/cm^3
Manual:	1.3 g/cm^3

The approval refers only to the fire resistance properties of the system.

All tests have been performed with nominal dry film thickness (DFT). Workmanship is subject for acceptance by the relevant authority of the project.

The application (spray and/or trowel) of the protective coating is to be performed in accordance with the manufacturer's application manual. Alternative primers and topcoats may be used provided they have been tested and approved by the manufacture.

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

Type Approval documentation

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

Application Guide Jotachar JF750 XT dated 14 April 2023 from Manufacturer.

Test report No. 526835/R dated 4 April 2023 from Warringtonfire, Cheshire, UK.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3 with furnace temperature following the hydrocarbon curve according to BS ISO 20902-1:2018.

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.