



Certificate no.:
TAF00001XR

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Class H Fire Wall and Bulkhead

with type designation(s)
BMW70K Bulkhead (H-120)

issued to

Wincell Insulation Co.,Ltd.
Taizhou, China

is found to comply with

DNV offshore standards

Application:

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

Issued at **Høvik** on **2024-11-18**

This Certificate is valid until **2029-11-17**.

for **DNV**

DNV local unit: **Jiangyin NB & CMC**

Approval Engineer: **Izabela Misztal**

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.



Form code: TA 251

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Product description

"BMW 70K-H120-CB",
composed of a structural steel bulkhead insulated with three layers of 40 mm thick ceramic wool of BMW type (70 kg/m³ density, manufactured by Wincell Insulation). Stiffeners are insulated with two layers of 40 mm ceramic wool of BMW type (70 kg/m³ density, manufactured by Wincell Insulation). The insulation is fixed to the bulkhead with Ø3 mm touch nails spaced maximum 300 mm apart.

Total insulation thickness 150 mm.

For further details see drawing listed under Type Examination documentation below.

Application/Limitation

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

General application: Fire against either side*

* In areas with requirements to maximum steel temperature in load bearing constructions, the bulkhead is approved for restricted application: Fire against insulated side

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

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. FT24019 dated 25 January 2024 from Far East Fire Testing Centre, Shanghai, China.

Drawing No. NP24PPP02584 dated 16 August 2024 from the manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3 with the furnace temperature following the hydrocarbon curve specified in 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.