

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Class H Fire Wall and Bulkhead**

with type designation(s)
H-60 Steel Bulkhead

issued to

Rockwool Danmark A/S
Hedehusene, Denmark

is found to comply with

DNV offshore standards

Application:

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

Restricted application: Fire against insulated side.

Issued at **Høvik** on **2025-04-04**

This Certificate is valid until **2030-04-03**.

DNV local unit: **Denmark CMC**

Approval Engineer: **Katarzyna Baczewska**

for **DNV**



Digitally Signed By:
Jowita Permoda

Location: **DNV Høvik, Norway**

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

"H-60 Steel Bulkhead"

is composed of a structural steel bulkhead insulated with one layer of 30 mm SeaRox SL 660 (of 150 kg/m³ density, manufactured by Rockwool) and one layer of 40 mm SeaRox WM 660 (150 kg/m³ density, manufactured by Rockwool). Stiffeners are insulated with two layers of 40 mm SeaRox WM 660 (150 kg/m³ density, manufactured by Rockwool). The cavity inside the stiffeners is filled out with two layers of 30 mm thick SeaRox SL 660. The insulation is fixed to the bulkhead with Ø3 mm steel pins and Ø38 mm washers with distance of 400 mm horizontally and 300 mm vertically. The minimum distance from insulation joints to pins is 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-60.

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. PGB10392A dated 29 August 2024 from Danish Institute of Fire and Security Technology (DBI), Hvidovre, Denmark.

Drawing No 2024/21 rev.1 dated 27 August 2024 from 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.

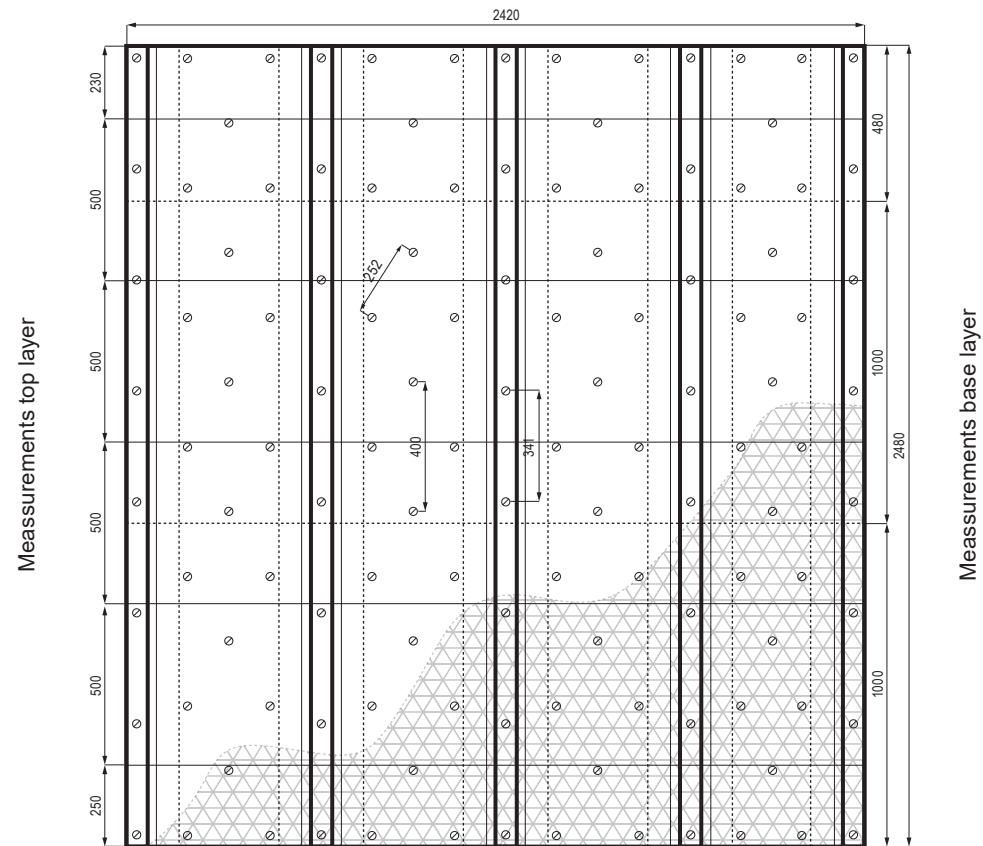
Manufactured by:

ROCKWOOL Danmark A/S

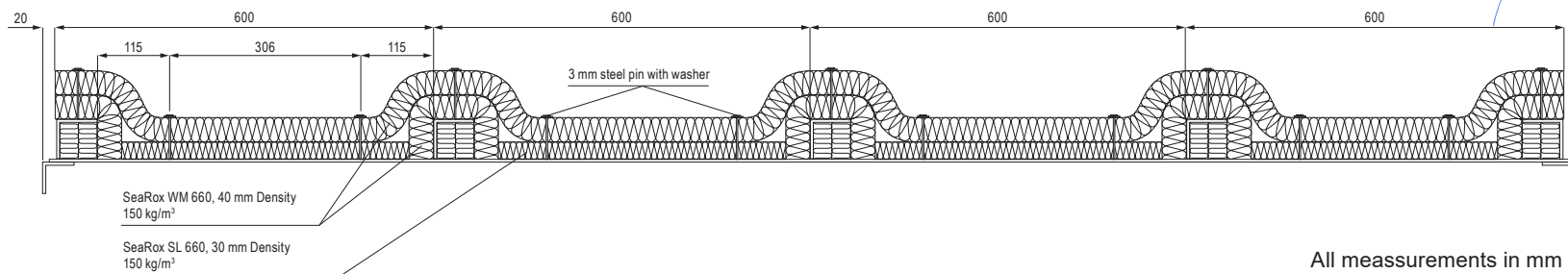
Hovedgaden 501

DK 2640 Hedehusene

Denmark



DBI
PGB10392A



All measurements in mm