

# TYPE APPROVAL CERTIFICATE

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**This is to certify:**

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

with type designation(s)  
**Steel Bulkhead H-120**

Issued to

**Rockwool International A/S**  
**Hedehusene, Denmark**

is found to comply with  
**DNV GL offshore standards**

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**Application :**

**Approved for use as a class H-120 division.**

Issued at **Høvik** on **2018-11-22**

This Certificate is valid until **2023-11-21**.

DNV GL local station: **Copenhagen**

for **DNV GL**

Approval Engineer: **Grzegorz Wolski**

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**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.



## **Product description**

"Steel Bulkhead H-120"

composed of structural steel bulkhead insulated with one layer of 30 mm SeaRox SL 660 and one layer of 40 mm SeaRox WM 660. Stiffeners insulated with 2 x 40 mm SeaRox WM 660 both with density 150 kg/m<sup>3</sup> and manufactured by Rockwool International A/S. The insulation is fixed to the bulkhead with Ø3 mm steel pins and Ø38 mm washers with a maximum spacing of 250 mm. The stiffeners to be packed with second layer insulation.

The installation is to be performed according to the manufacturers drawings stated in type approval documentation.

## **Application/Limitation**

Approved for use as a class H-120 division.

Restricted application: Fire against the insulated side.

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO 2010 FTP Code Annex 1 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 DNVGL-CP-0338, September 2018.

Test report No. PG11959 Serial No. 11811 dated 18 December 2008 from DIFT, Denmark.

Drawing (21)4.001 dated 14 October 2008 from manufacturer.

## **Tests carried out**

Tested in accordance with IMO 2010 FTP Code Part 3 with the hydrocarbon time-temperature curve specified in ISO 843-3.

## **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 Programme DNVGL-CP-0338, Section 4.