

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00002HC**  
Revision No:  
**1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

## This is to certify:

**That the A & B Class divisions fire integrity: A class divisions.**

with type designation(s)  
**A-30 Bulkhead, Steel with SeaRox SL 620**

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

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2021/1158**,  
**item No. MED/3.11a. SOLAS 74 as amended, Regulation II-2/3.2 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1434, IMO MSC.1/Circ.1435.**

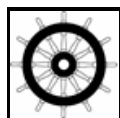
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-02-23**.

Issued at **Høvik** on **2022-02-24**

DNV local station:  
**Denmark CMC**

Approval Engineer:  
**Marcin Tobiasz**



Notified Body  
No.: **0575**

for **DNV AS**

**Sverre Olav Bergli**  
**Head of Notified Body**

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

**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

"A-30 Bulkhead, Steel with SeaRox SL 620"

Composed of structural steel bulkhead insulated on the unexposed side with minimum 40 mm thick mineral wool, type "SeaRox SL 620" (density 100-130 kg/m<sup>3</sup>) between the stiffeners and with minimum 25 mm thick the same insulation around the stiffeners.

The insulation is fixed to the bulkhead by means of standard Ø 3 mm pins in combination with minimum 30 mm diameter steel clips (spring washers).

Distance between pins on stiffeners and pins on the bulkhead is approximately 300 mm.

For further details see reports and drawings listed under Type Examination documentation.

## Application/Limitation

Approved for use as a vertical fire retarding division of class A-30.

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

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

## Type Examination documentation

Test report No. PGA10944A dated 21 December 2016 from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.

Assessment reports No. PHA10906A, PHA10906B, PHA10906C, PHA10906D and PHA10906E dated 22 February 2017 from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.

Drawings No. 522 dated 21 December 2016 and from 421-1 to 421-4 all dated 09 February 2017 from the manufacturer.

## Tests carried out

Tested according to IMO 2010 FTP Code part 3.

## Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).