

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the "A" and "B", Class divisions, fire integrity

with type designation(s)

Steel Deck A60 with SeaRox SL 620 - type 2

Issued to

Rockwool International A/S
HEDEHUSENE, Denmark

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2017/306,**

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

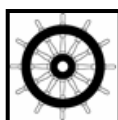
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-04-02**.

Issued at **Høvik** on **2017-04-03**

DNV GL local station:
Copenhagen

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
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.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

"Steel Deck A60 with SeaRox SL 620 - type 2"

Composed of structural steel deck insulated on the exposed side (underside of the deck) with one layer of 40 mm thick mineral wool, type "SeaRox SL 620" (density 100 kg/m³), manufactured by Rockwool.

The deck insulation is held in place using standard steel pins of 3 mm diameter in combination with min. 30 mm steel washers. Pins are welded to C-shaped stiffeners, which are fixed across the deck stiffeners at intervals of maximum 300 mm. Distance between the pins is max. 250 mm c/c along stiffeners. Space between the deck and the deck insulation (130 mm height) and inside C-shaped stiffeners is not filled with any insulation.

For further details see test report and drawing listed under Type Examination documentation.

Application/Limitation

Approved for use as a horizontal fire retarding division of class A-60.

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. PGA10984A dated 18 January 2017 from DBI Danish Institute of Fire and Security Technology.

Drawing No. 2017005/1 and 2017005/2 both dated 9 January 2017 and from 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 and MED Mark of Conformity (see first page).