

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" Class divisions, fire integrity

with type designation(s)
A-60 Deck, Steel

Issued to

Rockwool International A/S
HEDEHUSENE, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.11a and Annex B, Module B in the Directive; SOLAS 74 as amended,
Regulation II-2/3.2.5 and IMO 2010 FTP Code

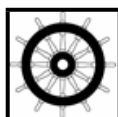
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-10-31**.

Issued at **Høvik** on **2017-03-07**

DNV GL local station:
Copenhagen

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body



Job Id: **344.1-006072-1**
Certificate No: **MEDB00001SH**

Product description

"A-60 Deck, Steel"

Steel deck with different insulation solutions are listed in enclosed appendix.

For further details see test reports listed under Type Examination documentation in enclosed appendix.

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

Given in enclosed Appendix.

Tests carried out

Tested according to IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8.

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).

Appendix Rev.0 to MEDB00001SH

Common International Solutions:

Construction	Product Description	Application / Limitations	Type Approval Documentation
Solution no. 3 – A60DCK A-60 Deck, Steel SeaRox SL 640 & SeaRox WM 640 45 mm / 30 mm	A-60 Deck, SeaRox SL 640 & SeaRox WM 640 Composed of structural steel deck insulated on the exposed side (underside of the deck) with minimum 45 mm thick mineral wool, type "SeaRox SL 640" (density 130 kg/m³) between stiffeners plus infill for L-shape stiffener, and minimum 30 mm thick mineral wool, type "SeaRox WM 640" (density 105 kg/m³) around stiffeners. The deck insulation is held in place using standard 3 mm steel pins and 38 mm steel clips (spring washers) at intervals of approximately 300 mm.	Approved for use as a Class A-60 Deck.	Test report No. PG 10944/8276, 31 October 2001 from DIFT
Solution no. 4 – A60DCK A-60 Deck, Steel SeaRox WM 620 45 mm / 45 mm	A-60 Deck, SeaRox WM 620 Composed of structural steel deck insulated on the exposed side (underside of the deck) with minimum 45 mm thick insulation, type "SeaRox WM 620" (density 90 kg/m³) between stiffeners and over stiffeners, as one layer. The deck insulation is held in place using standard 3 mm steel pins and 38 mm steel clips (spring washers) at intervals of approximately 300 mm.	Approved for use as a Class A-60 Deck.	Test report No. PG 10984/8384, 14 March 2002 from DIFT