



Marine & Offshore

Certificate number: 70474/A0 BV

File number: ACI 1000/353/045

Product code: 5214H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

Rockwool International A/S

Hedehusene - DENMARK

for the type of product

"H" CLASS DIVISION, DECK, FIRE INTEGRITY

H-120 Class Steel Deck insulated with SeaRox SL 620, 2x60 mm

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4

SOLAS 74 Convention as amended, Regulations II-2/9, II-2/3.4

IMO Resolution MSC.307(88) - (2010 FTP Code) with hydrocarbon fire temperature curve

IMO MSC/Circ.1120

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 29 Jun 2027

For Bureau Veritas Marine & Offshore,

At BV FREDERICIA, on 29 Jun 2022,

Jesper JENSEN

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <https://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=7vtmbsg2vv>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

H-120 Class Steel Deck insulated with SeaRox SL 620, 2x60 mm

Steel deck insulated underneath with 2 layers of 60 mm of "Searox SL 620" (density 100 kg/m³ ±10%) in between and over the stiffeners. Cavities inside the stiffeners are also filled with the same insulation material.

The two layers of insulation are mounted to the deck with staggered joints of each layer (approximatively on a half of previous layer slabs). Insulation is secured by a layer of galvanised steel wire mesh (25 x 25 x 0.6 mm).

The insulation on stiffeners was installed using box shape method (joints leading to the steel deck).

Fastening means: 38 mm diameter washers and welded pins with:

- max spacing 290 mm lengthwise/220 mm crosswise on plate between stiffeners
- max spacing 310 mm lengthwise/260 mm crosswise/180 mm in diagonal around stiffeners

2. DOCUMENTS AND DRAWINGS :

As per Manufacturer's drawing "MRBN ROCKWOOL-DECK H120-2016-12-03-001 dated 05/12/2016

3. TEST REPORTS :

Test report n°000150-32 dated 13/01/2017 (test date 19/12/2016) as per IMO 2010 FTP Code, Annex 1, Part 3 with hydrocarbon fire curve, issued by Russian Federal State institute for Fire Protection (VNIPO), Russia.

4. APPLICATION / LIMITATION :

4.1 - The following components have to be covered by a valid type approval certificate, issued by the Society:

- the insulation material " **SeaRox SL 620**"
- any added finish surface material(s).

4.2 - The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 -The **H-120 Class Steel Deck insulated with SeaRox SL 620, 2x60 mm** are to be supplied by **ROCKWOOL International A/S** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **ROCKWOOL International A/S** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **ROCKWOOL International A/S** has declared to Bureau Veritas the following production site(s):

Rockwool A/S
Industrivej 9
6580 Vamdrup
DENMARK

ROCKWOOL PENINSULAR SAU
Pol. Industrial de Caparoso
Ctra. De Zaragoza
Caparoso
SPAIN

Roxul Rockwool Insulation India Pvt. Ltd.
Plot No.- Z/4
Dahej SEZ
District Bharuch, Dahej
INDIA

6. MARKING OF PRODUCT :

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

7. OTHERS :

It is **ROCKWOOL International A/S**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***