

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00003UC
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

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

with type designation(s)
Weber Marine A-60 Floor N

Issued to
SAINT-GOBAIN BYGGEVARER AS
Oslo, Norway

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

Regulation **MSN 1874 Amendment 7,**

item No. UK/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.1434,1435; IMO MSC.1/Circ.1616, 1621

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

This Certificate is valid until **2028-03-06.**

Issued at **London** on **2023-09-05**

DNV local unit:
East & South Norway CMC



for **DNV UK Ltd.**

Approval Engineer:
Roland Priebe

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

"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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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

"Weber Marine A-60 Floor N"

Composed of steel deck insulated on unexposed side as follows:

Variant I:

1. 1-2 mm thick Viscoelastic layer "Weber Marine VEM PU-1 (density 1.34 kg/m³)
2. min. 5mm weberfloor 4660N Marine Elastic levelling compound, cement based, fibre-reinforced levelling compound with nominal density of 1.78 kg/m²/mm, or the following alternatives:
 - weberfloor 4670N Marine Base, cement based levelling compound with a nominal density of 1.8 kg/m²/mm.
 - weberfloor 4680N Marine Light, cement based levelling compound with a nominal density of 0.9 kg/m²/mm.
 - weberfloor 4686N Marine Extra Light, cement based levelling compound with a nominal density of 0,65 kg/m²/mm.
 - weberfloor 4690N Marine Combi, cement based levelling compound with a nominal density of 1.55 kg/m²/mm.
 - 1 mm – 4mm thick steel plates/tiles.
3. Min. 30 mm "Isover Ultimate U SeaProtect slab 90" mineral wool, nominal density 90 kg/m³., or the following alternative insulations:
 - min. 30 mm " Paroc Marine floor Slab 140 ", nominal density 140 kg/m³,
4. Woven glass fibre fabric of type "US style 7628" from P-D Interglas Technologies Ltd., or equivalent approved product.
5. 30mm weberfloor 4660N Marine Elastic, cement based levelling compound with nominal density of 1.7kg/m²/mm, or the following alternative solutions:
 - 30 mm weberfloor 4670N Marine Base, cement based levelling compound with a nominal density of 1.8 kg/m²/mm.

Variant II:

Composed of layer 2, 3, 4, 5 as mentioned in Variant I.

Variant III:

Composed of layer 3, 4, 5 as mentioned in Variant I.

The cement in layer 5 is reinforced with a Ø 5 mm steel grid (150 mm x 150 mm).

Application/Limitation

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

The insulation materials, adhesives and vapour barriers used have to be approved according to the Marine Equipment Regulation 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, use and maintenance.

Type Examination documentation

Test report No. 103021.03 dated 4 December 2013 from SINTEF, Trondheim, Norway.

Test report No. 150070-26 dated 11 November 2021 from RISE, Trondheim, Norway.

Assessment report No. 150101-59 dated 3 February 2022 from RISE, Trondheim, Norway.

Test report No. 150070-30 dated 19 January 2023 from RISE, Trondheim, Norway.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating and the UK Mark of Conformity (see first page).