

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000007F
Revision No:
1

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. 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)
Weber Marine dB A-60 Floor N

Issued to
Weber Saint-Gobain Byggevarer AS
OSLO, Norway

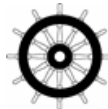
is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.11a and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/3.2.5 and IMO 2010 FTP Code.

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

This Certificate is valid until **2021-02-09**.

Issued at **Høvik** on **2016-04-25**

DNV GL local station:
Oslo



for **DNV GL AS**

Approval Engineer:
Espen Kultorp

Notified Body
No.: **0575**

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 Council Directive 96/98/EC, as amended.

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.

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.



Job Id: **344.1-000284-36**
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Product description

"Weber Marine dB A-60 Floor N"
composed of the following:

1. layer: 1-1,5 mm visco-elastic layer (ACM or DG-U1 green from Swedac).
2. layer: 10-15 mm Weber.floor 4660N Marine Elastic levelling compound (cement based, fibre-reinforced levelling compound with nominal density of 1,9 kg/m²/mm). Weber.floor 4670N Marine Base, Weber.floor 4675N Marine Flow Rapid, Weber. floor 4680N Marine Light or Weber.floor 4690N Marine Combi may be used.
3. layer: 50 mm SeaRox SL 436 with nominal density of 140 kg/m³, or the following alternative insulations:
 - 50 mm Isover Ultimate U SeaProtect slab 90, nominal density 90 kg/m³
 - 50 mm Isover SP/M 150, nominal density 150 kg/m³
 - 50 mm Paroc Marine Floor Slab 140, nominal density 140 kg/m³
 - 50 mm SeaRox SL 480, nominal density 200 kg/m³
 - 50 mm SeaRox SL 660, nominal density 150 kg/m³
4. layer: "Interglas" woven glass fabric with weight 100-3000 g/m², or equivalent non-combustible product.
5. layer: Steel reinforcement net Ø 5mm, grid 150 x 150 mm.
6. top layer: 25 mm Weber.floor 4665N Marine Fire, cement based levelling compound with nominal density of 1,9 kg/ m²/mm.

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, use and maintenance.

Type Examination documentation

Test report No. 103020.64 dated 20 December 2005 from Norwegian Fire Research Laboratory (SINTEF) Trondheim, Norway (product name when tested: "maxit Marine dB A-60 Floor").

Test reports Nos. F700197, F700197A dated 8 March 2007 and No. F714865 dated 4 October 2007 from SP, Sweden (glue).

Assessment reports No. 103204.36 dated 12 April 2010 and No. 103205.23 dated 20 January 2014 from Norwegian Fire Research Laboratory (SINTEF) Trondheim, Norway.

Assessment report No. PX26920-4 dated 6 March 2015 from SP, Sweden (Additional thickness and layers)

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 or packing is to be marked with name of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable (see page 1).