

EC-TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

DBI Certification did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

Manufacturer	Marlon Tørmørtel A/S
Address	Virkelyst 20, 8740, Brædstrup, Denmark
Directive Reference	MED Directive 2014/90/EU , Regulation as amended by MED (EU) 2023/1667.
Regulation Item	MED/3.11a; 'A' class divisions
Product Type	Class A-60 Floating Floor
Product Name	Marine Sound Floor - Concrete
Specified requirements:	Row 2 of 2 of the MED item of regulation as amended by MED (EU) 2023/1667. Reference standard: SOLAS 74 Reg. II-2/3.2 and IMO MSC/Circ. 1120. Testing standards: IMO MSC.1/Circ.1435, IMO Res.MSC.307(88)-(2010 FTP Code), as amended

The attached (*schedule of approval*) forms part of this certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.


Date of issue	2024-07-18	Issued by DBI Certification Notified Body No. 2531
Expiry date	2029-06-24	

*The certificate supersedes the certificate version issued: 2024-06-24
This certificate was first issued 2024-06-24*


This equipment is covered by the scope of " Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 18th, 2019" According to U.S. Coast Guard Approval Category No.:46 CFR 164.105. 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 Mutual Recognition Agreement.

Signed

Name


Lene Skovbjerg
Responsible for evaluation

/


Merete Poulsen
Responsible for certification decision

Notes:

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 notified 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 of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified 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 the Directive is fully complied with.

In case limitations of use apply, these should be indicated of in the Annex

This certificate is issued under the authority of the Danish Maritime Authority.

(Annex)

Schedule of Approval

Product Description

General:	The construction was built of several layers on top of the steel deck as follows (layer 1 is at the bottom and layer 4 at the top): Layer 1: Steel deck Layer 2: Mineral wool, SeaRox SL 436, minimum 30 mm Layer 3: Fibre wire mesh Layer 4: Marlon Marine Fire Cem 1400, minimum 25 mm
Deck:	Standard structural steel core
Insulation:	Mineral wool designated Rockwool SeaRox SL 436 with a nominal density of 140 kg/m ³ . The insulation layer was 30 mm thick, and the slabs were placed in one layer with staggered joints. Other insulation with minimum 30 mm thickness and nominal density of 140 kg/m ³ and/or the steel wire mesh can be used as alternatives.
Fibre wire mesh:	A blue fibre wire mesh designated Marlon Fiber Reinforcement Mesh GF10 was laid out on top of the mineral wool before the screed was poured on top. The mesh size was 13 x 13 mm.
Screed:	A one component fire retardant screed designated Marlon Marine Fire Cem 1400 was used as the top layer of the floating floor with a thickness of 25 mm.

The product consists of components described under "Principal components". The components are mounted tightly together (compressed), on top of the standard structural steel core. Pattern shown in PHD10045A rev. 0 dated 2021-10-19.

Product Classification:

A steel deck constructed as described in this report may be regarded as a
Class A-60 Floating Floor
according to part 3 of annex 1 to the FTP Code if all the materials comply with paragraph 3.5.1 of part 3 of annex 1 to the 2010 FTP Code.

Application / Limitation of Product:

The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The insulation materials used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity

Type Approval Documentation

Test report no. PGB10349A, DBI, dated 2024-01-08
Test report no. PHD10111A, DBI, dated: 2024-04-08 valid to 2029-04-08

Technical Documentation:

Drawings: 24-003 dated 2024-01-10, 24-002 dated 2024-01-04
Marlon - Marine Sound Floor – Concrete, dated 04.01.2024

Marking of Product

The product or packing is to be marked with name of manufacturer, type designation, technical rating and Mark of Conformity.

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 ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

End of Certificate