

**EC-TYPE EXAMINATION
CERTIFICATE (MODULE B)**

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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)
Hydromagzil (HDM) 1,3 - A-60 Floating and Sound Reducing FloorIssued to
**DMS A/S
Esbjerg, Denmark**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 **2021-05-03**.Issued at **Høvik** on **2016-05-04**DNV GL local station:
FredericiaApproval Engineer:
Tessa BieverNotified Body
No.: **0575**for **DNV GL AS**Digitally Signed By: Hoff, Øyvind
Location: DNV GL Høvik, Norway
Signing Date: 11.05.2016, on behalf of**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: **344.1-003110-10**
Certificate No: **MEDB00000S1**

Product description

"Hydromagsil (HDM) 1,3 – A-60 Floating and Sound Reducing Floor"
composed of steel deck insulated on upper side with minimum 30 mm "Rockwool SeaRox SL 436, MA SLAB 140" of density 140 kg/m³ and minimum 25 mm "Hydromagsil (HDM) 1,3" non-combustible compound of density 1400 kg/m³. Additional insulation on sides with seaRox SL436.

For further details, see the test report referred to under Type Examination documentation below.

Application/Limitation

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

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

Each product is to be supplied with its manual for installation and use.

Type Examination documentation

Test report No. PGA10845A dated 29 April 2016 from Danish Institute of Fire and Security Technology (DBI), Hvidovre, Denmark.

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 of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable (see page 1).