DNV·GL

Certificate No:
MEDB00003YW

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)
META MMC-300 Ceiling

Issued to
Meta AS
ÅLEN, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2.3.4 & II-2/9 and IMO 2010 FTP Code

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

This Certificate is valid until **2023-09-17**.

Issued at **Høvik** on **2018-09-18**

DNV GL local station:
Trondheim

Approval Engineer:
Karolina Kusmider

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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 Directive 2014/90/EU.
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. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
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.

NORWEGIAN ACCREDITATION PROD 019

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Product description

"META MMC-300 Ceiling "
Ceiling system composed of 0.55 mm thick and 300 mm wide steel panels (unperforated) suspended below a structural steel core. The panels are insulated with 20 mm glass wool with type designation "Isover Ultimate U SeaProtect slab 24" with density 24 kg/m3. The overall thickness of the ceiling is 25 mm. The panels are fixed to the carrier profiles with screws. The ceiling is fixed to the structural core with adjustable hangers, type I and II. The distance between the hangers is as shown on drawing 115135 Rev A from Meta AS.

The ceiling panels can be fitted with an inspection hatch 300 x 300 mm.

For further details, see drawings and test report listed under Type Examination documentation below.

Application/Limitation

Approved for use as a class B-0 ceiling panel and when the ceiling is suspended at least 275 mm below a steel deck the whole construction may be regarded as fire retarding division of class A-15.

Max. panel size: 300 mm x 3000 mm (WxL).

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 and use.

Type Examination documentation

Test Report No. 103020.88 dated 19 February 2010 from SINTEF NBL as, Trondheim, Norway.

Drawing No. 115135 Rev A dated 22 April 2009 from Meta AS.

Tests carried out

Tested according to FTP Code 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 and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).