DNV·GL

Certificate No:
MEDB00004RW

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the "A" Class divisions, fire integrity

with type designation(s)
Marine HMT-170 type A-60 Class Deck

Issued to
Tianjin Haimen Building Material Co., Ltd.
Langfang, Hebei Province, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/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

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

This Certificate is valid until **2024-02-27**.

Issued at **Hamburg** on **2019-02-28**

DNV GL local station:
Tianjin

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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Product description

"Marine HMT-170 type A-60 Class Deck"
Is a Class A-60 deck consisting of a 5mm steel plate suitable stiffened, insulated on the plate surface with two layers of 15mm ceramic wool plate and two layers of 15mm ceramic wool plate around the stiffeners, acc. to figure 1 and 3, page 6 and 8 of the test report.

The steel plate was insulated on the exposed side with two layer of HMT-170 ceramic wool plate (Density: 170Kg/m³) manufactured by Tianjin Haimen building material Co.; Ltd.

Fixing the insulation to the steel deck was done by welded pins (20 sets/m²) with ø 3 mm and with ø 30 mm steel washers on top. No adhesive was used in this construction.

For further details see under "Type Examination documentation" below.

Application/Limitation

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

The insulation material has 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 maintenance.

Type Examination documentation

Test report no. FT07277 of 27.11.2007 issued by Far East fire Testing Centre, Shanghai.

Tests carried out

Tested according to IMO Res. MSC.61(67) - FTP Code, Annex 1, Part 3 in compliance with IMO Res. MSC.307(88) – 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).