DNV·GL

Certificate No:
MEDB000026Y

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 "B" Class divisions, fire integrity

with type designation(s)
KS-TA30(II) - Type Class B-15 Ceiling

Issued to
Nantong Cosy Marine Equipment Technology Co., Ltd.
Nantong City Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
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 **2023-04-16**.

Issued at **Hamburg** on **2018-04-17**

DNV GL local station:
Nantong CMC

Approval Engineer:
Fryderyk Hoga

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"KS-TA30(II) - Type Class B-15 Ceiling"
Is a ceiling panels consisting of 28.5 mm thick marine Fibertex type rock wool insulation with nominal density of 150 kg/m^3 (manufactured by Tianchang Kangmeida New Insulation Co., Ltd.) bonded by means of adhesive to a 0.6 mm thick galvanised steel sheets from both sides. Steel sheet from the exposed side is perforated with ø2.5 mm holes at 5 mm intervals c/c.

The panels are joined together by 22 mm deep wedge along and across by means of T-shape profile bent by 1.2 mm and 0.6 mm thick steel plates in sectional size 50 x 71 mm.

Total panel thickness: 30 mm

For more details see drawing and test report listed under Type Examination documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class B-15.

The minimum distance between the ceiling panel and the structural steel deck is 420 mm.

Maximum panel size: 600 x 2400 mm (W x L)

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

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 and address of manufacturer, type designation, fire technical rating, Mark of Conformity and USCG approval number if applicable (see first page).