

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)
TNF C70, C71, C72

Issued to

INEXA Interiors (Nantong) 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 **2023-04-07**.

Issued at **Høvik** on **2018-04-08**

DNV GL local station:
Nantong

Approval Engineer:
Helge Bjørnara



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"TNF C70, C71, C72"

Ceiling composed of an upper and lower panels. Upper panel consists of ABM-SR rock wool produced by Shanghai ABM Rock Wool Co., Ltd (150 kg/m³) with 0.56 mm steel sheets on both sides. The lower panel consists of 20 mm ABM-SR rock wool produced by Shanghai ABM Rock Wool Co., Ltd (150 kg/m³) with 0.56 mm steel sheet on the lower side. The upper and lower panels are jointed with M4.2 screws with max 300 mm spacing. The upper panel thickness is 30 mm and lower panel thickness is 20 mm. Total panel thickness is 50 mm. Only the upper panels are jointed together.

The panels are hung beneath the deck with ⊥ shaped hanging joints made of 1 mm thick steel. The panels are fastened to the hanging piece with M4.2 screws. Maximum spacing between hanging pieces is 2400 mm.

The deck may be fitted with an inspection hatch.

The ceiling may be fitted with perforated steel in the lower panel (TNF C70).

The ceiling may be fitted with a 25 mm gap between the lower panels and perforated steel in the lower panel (TNF C71).

The ceiling may be fitted with a 25 mm gap between the lower panels (TNF C72).

For further details see drawings mentioned under Type Examination documentation below.

Application/Limitation

Ceiling panels are approved for use as a fire retarding division of class B-15.

Maximum panel width is 600 mm.

Maximum size of inspection hatch is 630 mm x 630 mm.

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 maintenance.

Type Examination documentation

Test Report No. FT13018 dated 31 January 2013 from FEFTC, Shanghai, China.

Drawing Nos. TNF-C70-1, TNF-C71-1 and TNF-C72-1 all from the manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product 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 page 1).