DNV·GL

Certificate No:
MEDB00001WR

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 the Kingdom of Norway.

This is to certify:

That the "A" Class divisions, fire integrity

with type designation(s)
A-15 Steel Deck - FireMaster Marine Plus Blanket 15 mm x 64 kg/m3

Issued to
Thermal Ceramics UK Ltd
WIRRAL MERSEYSIDE, United Kingdom

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
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 **2021-11-03**.

Issued at **Høvik** on **2016-11-04**

DNV GL local station:
Manchester

Approval Engineer:
Helge Bjørnarå

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Product description

A-15 Steel Deck - FireMaster Marine Plus Blanket 15 mm x 64 kg/m^3,
composed of an structural steel deck insulated on the exposed side (underside deck) with a single layer of 15 mm thick FireMaster Marine Plus Blanket (density 64 kg/m^3) applied across the tops of stiffeners following their contours.

The nominal blanket width is 610 mm and is to be compressed to a width of 600 mm to ensure compression at joints.

The blankets are held in place using copper coated steel pins (Ø 3 mm / typically 60 mm long) welded to the bulkhead and 38 mm friction-fit washers. The pins are to be installed with a nominal spacing of 200 mm across the blankets and maximum 350 mm along the blankets, whereas pins at the joints between blankets shall have a nominal spacing of 100 mm from the blanket edge.

The installation is to be performed according to the manufacturers Fire Protection Systems Information No. FM-MS 01 PW and No. FM4.97.

Application/Limitation

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

The insulation material FireMaster Marine Plus Blanket has 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 maintenance.

Type Examination documentation

Test report No. FT10190 dated 28 May 2010 from FEFTC, Shanghai, China.

Thermal Ceramics Fire Protection Systems Information, reference No. FM-MS 01 PW and No. FM4.97, Rev. 1.

Tests carried out

Tested according to IMO FTP Code Part 3 (IMO Res. A.754(18)) and in compliance with IMO 2010 FTP Code Ch. 8.

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).