

# 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 Non-combustible materials

with type designation(s)  
**FireMaster Paper**

Issued to  
**Thermal Ceramics UK Ltd**  
**Wirral Merseyside, United Kingdom**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2017/306**,  
**item No. MED/3.13. SOLAS 74 as amended, Regulation II-2/3 II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code**

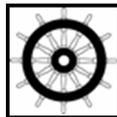
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-04-16**.

Issued at **Høvik** on **2018-04-17**

DNV GL local station:  
**Manchester**

Approval Engineer:  
**Helge Bjørnarå**



Notified Body  
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-000502-89**  
Certificate No: **MEDB00003YC**

## **Product description**

"FireMaster Paper"

thin, non-combustible and flexible fire insulation material made of Superwool PLUS fibre and binders.  
Thickness range: 0.5 mm to 3 mm  
Density: 190 kg/m<sup>3</sup> to 210 kg/m<sup>3</sup>

## **Application/Limitation**

Approved for use as non-combustible materials. Not to be use as an integrated part of fire retarding division, unless tested as such.

Each product is to be supplied with its manual for installation/application.

## **Type Examination documentation**

Test report No. 17/15809-3182 dated 26 January 2018 from LGAI, Barcelona, Spain.

Test report No. 17/15809-3191 dated 26 January 2018 from LGAI, Barcelona, Spain.

## **Tests carried out**

Tested according to IMO 2010 FTP Code Part 1.

## **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 front page).