

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:
MEDD00000AZ
Revision No:
11

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 AS under the authority of the Government of Norway.

This is to certify:

That the Quality System for the products

with type designation(s) as specified in the Appendix to this Certificate

Issued to

Thermal Ceramics UK Ltd
Wirral, Merseyside, United Kingdom

is found to comply with the applicable requirements.

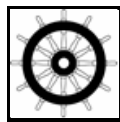
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2021/1158.

This Certificate is valid until **2023-05-07**.

Issued at **Høvik** on **2022-07-24**

DNV local station:
Manchester

Approval Engineer:
Helge Bjørnarå

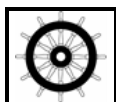


for **DNV AS**

Notified Body
No.: **0575**

Sverre Olav Bergli
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and 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, and amended by Decision No 1/2019 dated February 22nd, 2019.



0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed



The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.
This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate.
This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



APPENDIX

Item no. MED/3.11a "A" Class divisions, fire integrity

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
A-30 Aluminium Bulkhead - Fire Towards Insulated Side ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00006MU	2025-04-02	0575	164.107/EC0575 /MEDB00006MU
A-60 Steel Bulkhead - Fire To Either Side - 45 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00000Y7 Rev.2	2025-04-02	0575	164.107/EC0575 /MEDB00000Y7 Rev.2
A-60 Steel Bulkhead - 75 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001C9 Rev.1	2025-03-24	0575	164.107/EC0575 /MEDB00001C9 Rev.1
A60 aluminium 2 mm Bulkhead - FIREMASTER MARINE PLUS BLANKET ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MED001720CS_001	2024-06-09	0474	164.107/EC0474 /MED001720CS_001 /EC0575
A60 aluminium 2 mm Deck - FIREMASTER MARINE PLUS BLANKET ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MED001720CS_002	2024-06-09	0474	164.107/EC0474 /MED001720CS_002 /EC0575
A-15 Steel Bulkhead (Fire Either Side) - FireMaster Marine Plus Blanket 25 mm x 64 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB000045C	2023-05-27	0575	164.107/EC0575 /MEDB000045C
A-60 Steel Bulkhead - FireMaster Marine Plus Blanket 60 mm x 80 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001NS Rev.1	2023-05-27	0575	164.107/EC0575 /MEDB00001NS Rev.1
A-60 Steel Bulkhead (Fire Insulated Side) - FireMaster Marine Plus Blanket 50 mm x 48 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB000045B	2023-05-27	0575	164.107/EC0575 /MEDB000045B
A-60 Steel Deck - FireMaster Marine Plus Blanket 50 mm x 48 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB000045E	2023-05-27	0575	164.107/EC0575 /MEDB000045E
A-60 Corrugated Fire Wall ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00003YD	2023-04-07	0575	164.108/EC0575 /MEDB00003YD
A-60 Steel Bulkhead (Fire Either Side) - FireMaster Marine Plus Blanket 80 mm x 48 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00003YB	2023-04-07	0575	164.107/EC0575 /MEDB00003YB

Item no. MED/3.11a A & B Class divisions fire integrity: A class divisions.

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
A-15 Steel Deck - FireMaster Marine Plus Blanket 15 mm x 64 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001WR Rev.1	2026-10-27	0575	164.107/EC0575 /MEDB00001WR Rev.1
A-30 Steel Bulkhead - FireMaster Marine Plus Blanket 45 mm x 64 kg/m ³ (25 mm on stiffeners) ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001WS Rev.1	2026-10-27	0575	164.107/EC0575 /MEDB00001WS Rev.1
A-60 Steel Bulkhead - FireMaster Marine Plus Blanket 45 mm x 64 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001NT Rev.2	2026-10-27	0575	164.107/EC0575 /MEDB00001NT Rev.2
A-60 Steel Bulkhead - FireMaster XLS Blanket 60 mm x 64 kg/m ³ ^{1, 3, 6}	MEDB00001W6 Rev.1	2026-10-27	0575	164.107/EC0575 /MEDB00001W6 Rev.1
A-60 Steel Deck - FireMaster Marine Plus Blanket 45 mm x 64 kg/m ³ ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001NR Rev.2	2026-10-27	0575	164.107/EC0575 /MEDB00001NR Rev.2
A-30 Aluminium Deck - 40 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001W1 Rev.1	2026-05-10	0575	164.107/EC0575

				/MEDB00001W1 Rev.1
A-60 Aluminium Bulkhead - 2 x 50 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001W0 Rev.1	2026-05-10	0575	164.107/EC0575 /MEDB00001W0 Rev.1
A-60 Aluminium Bulkhead - 50 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001WT Rev.1	2026-05-10	0575	164.107/EC0575 /MEDB00001WT Rev.1
A-60 Aluminium Deck - 50 mm FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001W2 Rev.1	2026-04-11	0575	164.107/EC0575 /MEDB00001W2 Rev.1

Item no. MED/3.11b "B" Class divisions, fire integrity

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
B-15 Cabin Wall Extension ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001NU Rev.1	2025-04-02	0575	164.108/EC0575 /MEDB00001NU Rev.1

Item no. MED/3.13 Non-combustible materials

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FireMaster Putty ^{5, 10, 11, 12}	MEDB00002VC Rev.1	2027-06-30	0575	164.109/EC0575 /MEDB00002VC Rev.1
FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB000017R Rev.1	2026-08-21	0575	164.109/EC0575 /MEDB000017R Rev.1
FireMaster Board 350, FireMaster Board 550+ and FireMaster LW Board ⁶	MEDB000074E Rev.2	2026-04-22	0575	164.109/EC0575 /MEDB000074E Rev.2
FireMaster MarineFlex ^{3, 7}	MEDB00000XM Rev.5	2026-04-11	0575	164.109/EC0575 /MEDB00000XM Rev.5
SUPERWOOL PLUS BLANKET ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MED001720CS_003	2024-06-09	0474	164.109/EC0474 /MED001720CS_003 /EC0575
FireMaster Paper ⁹	MEDB00003YC	2023-04-16	0575	164.109/EC0575 /MEDB00003YC

Item no. MED/3.18a Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
FireMaster Marine Plus "Alu 20R", FireMaster Marine Plus "GC" and FireMaster Marine Plus Blanket "ALGC" ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001WN Rev.2	2025-09-28	0575	164.112/EC0575 /MEDB00001WN Rev.2
"Glass Fabric Type C" and "Glass Fabric Type D" ⁷	MEDB00003E7 Rev.1	2023-08-26	0575	164.112/EC0575 /MEDB00003E7 Rev.1

Item no. MED/3.32 Fire restricting materials (except furniture) for high speed craft

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
Fire Restricting Composite Bulkheads and Decks ^{1, 2, 3, 4, 5, 6, 8, 12}	MEDB000045D	2023-05-27	0575	N/A

Item no. MED/3.34 Fire resisting divisions for high speed craft

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
30 minute Load Bearing Composite Bulkhead - GRE/PVC Sandwich Panel Type ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00002NX Rev.1	2027-06-30	0575	164.207/EC0575 /MEDB00002NX Rev.1
30 minute Load Bearing Composite Deck - GRE/PVC Sandwich Panel Type ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00002NY Rev.1	2027-06-30	0575	164.207/EC0575 /MEDB00002NY Rev.1
60 minute HSC Aluminium Bulkhead 2 mm - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00002C1 Rev.1	2026-09-25	0575	164.207/EC0575 /MEDB00002C1 Rev.1
60 minute HSC Aluminium Deck 2 mm - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00002C2 Rev.1	2026-09-24	0575	164.207/EC0575 /MEDB00002C2 Rev.1
30 minute HSC Aluminium Bulkhead 2 mm - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001VX Rev.2	2026-05-10	0575	164.207/EC0575 /MEDB00001VX Rev.2
30 minute HSC Aluminium Deck 2 mm - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001W3 Rev.2	2026-05-10	0575	164.207/EC0575 /MEDB00001W3 Rev.2
60 minute Load-bearing Composite Bulkhead - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001VZ Rev.1	2026-05-10	0575	164.207/EC0575 /MEDB00001VZ Rev.1
60 minute Load-bearing Composite Deck - FireMaster Marine Plus Blanket ^{1, 2, 3, 4, 5, 6, 8, 10, 12}	MEDB00001VY Rev.1	2026-05-10	0575	164.207/EC0575 /MEDB00001VY Rev.1

Places of production

- 1.Grupo Industrial Morgan SA de CV, Cerrada de la Paz 101, Zona Industrial La Paz, Mineral de La Reforma, Mexico
- 2.Morgan Thermal Ceramics (Shanghai) Co., Ltd., 18, Kang An Road, Kang Qiao Industrial Zone, Pudong Shanghai, Shanghai, China
- 3.Morgan Thermal Ceramics Korea, 335, Nongong-ro, Nongong-eup, Dalseong-gun, Daegu, Korea, Republic of
- 4.Morgan Kailong (Jingmen) Thermal Ceramics Co., Ltd., 20-1# QuanKou Road, Jingmen, China
- 5.Murugappa Morgan Thermal Ceramics Ltd, SIPCOT Industrial Complex, Plot No. 26 & 27, Ranipet, India
- 6.Thermal Ceramics de France S.A., Zone Industrielle Les Plantees, Saint-Marcellin-en-Forez, France
- 7.Porextherm Dämmstoffe GmbH, Heisinger Str. 8/10, Kempten, Germany
- 8.Murugappa Morgan Thermal Ceramics Ltd., Plot No.-681,, Moti Bhoyan Village,, Sanand- Kalol State Highway,, Taluka- Kalol,, Dist.- Gandhinagar,, India
- 9.Technical Fibre Products Limited, Burneside Mill, Kendal, United Kingdom
- 10.Morgan Advanced Materials Industries Ltd, Plot No : KHIA 4-07A, Khalifa Industrial Zone, Abudhabi, United Arab Emirates
- 11.THERMAL CERAMICS ITALIANA S.R.L., Via delle Rogge 6, Casalpusterlengo, Italy
- 12.Thermal Ceramics, Inc., 2102 Old Savannah Rd, Augusta, USA