

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MERB0001N1J
Revision no.:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

that the **Non-combustible materials**

with type designation(s)

Rocterm/Ecoterme/Rocterm+ insulation type:"PI40 - PI180", "PI40AL - PI180AL", "R70 - R125", "MN70 - MN125", "MA70 - MA125", "CQ70 - CQ120" , "CQ70AL - CQ120AL"

issued to

TERMOLAN - Isolamentos Termo- Acústicos S.A.
Aves, Portugal

is found to comply with the Regulation (UK) **MSN 1874 Amendment 10** for
Item no. **UK/3.13 (Row 1 of 1)**

according to the following requirements:

**SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/9, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-
(2000 HSC Code) 7, SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/16**

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

Date of issue: **2025-03-27**

Expiry date: **2030-03-26**

DNV local unit:
CMC Team West

Approval Engineer:
Kristin Grønnæss Hovden



Approved Body No.: **0097**



for **DNV UK Ltd.**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
MER Service Responsible



**Maritime &
Coastguard
Agency**

UK Approved Body Authorised
by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

"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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. In case limitations of use apply, these should be indicated in the Annex.

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 USD 300 000.

Product description

Rocterm/Ecoterm/Rocterm+ insulation types as per appendix

Please see Appendix: Product Description

Application/Limitation

Approved for use as non-combustible material.

The product may be used as an integrated part of approved fire resisting divisions only when tested as such.

The Insulation faced with hot melted PE laminated glass fibre reinforced aluminium foil have to be approved (surface flammability, smoke and toxicity) according to the Marine Equipment Regulations and bear the UK Mark of Conformity.

The product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Document No.	Rev.	Title
5P03572		Test report from RISE, Borås, Sweden
O100352-136936		Test report from RISE, Borås, Sweden.
O100352-136936-1		Test report from RISE, Borås, Sweden.
O100352-136936-3		Test report from RISE, Borås, Sweden.
O100611-195226		Test report from RISE, Borås, Sweden.
O100352-136936-2		Test report from RISE, Borås, Sweden.

Tests carried out

Tested according to IMO 2010 FTP Code Part 1

Tested according to IMO 2010 FTP Code Part 2 (for type 'PI40AL – PI180AL')

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and the UK Mark of Conformity (see first page).

APPENDIX

Product Description

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Rocterm/Ecoterme/Rocterm+ insulation types:

Type	Form	Composition	Nominal density [kg/m ³]	Max. nominal organic content [wt%]
PI40 – PI180	Slab	Stone wool	54 - 180	3.5
PI40AL – PI180AL	Slab	Stone wool with a facing of hot melted PE laminated glass fibre reinforced aluminium foil.	54 - 180	3.5
R70 – R125	Mat	Stone wool sewn with 1.25-inch steel wire mesh on one side	70- 125	1.2
MN70 – MN125	Mat	Stone wool	65 - 128	2.0
MA70 – MA125	Mat	Stone wool with a facing of hot melted PE laminated glass fibre reinforced aluminium foil.	65 - 128	2.0
CQ70 – CQ120	Pipe insulation shape	Stone wool	54 - 180	3.5
CQ70AL – CQ120AL	Pipe insulation shape	Stone wool with a facing of hot melted PE laminated glass fibre reinforced aluminium foil.	54 - 180	3.5