



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED194722CS/002

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2021/1158.

| | |
|----------------------------|--|
| <i>MED Item N°</i> | MED/3.26a |
| <i>USCG Category N°</i> | 164.138 |
| <i>Description</i> | Penetrations through "A" Class divisions: (a) electric cable transits |
| <i>Type</i> | WallMax Multiple Cable Penetration Transits - WRS and WR series in aluminium |
| <i>Applicant</i> | WALLMAX SRL CORSO DI PORTA NUOVA 22 20121 MILANO ITALY |
| <i>Testing standards</i> | IMO Res. MSC.307(88)-(2010 FTP Code) - IMO MSC.1/Circ. 1488 |
| <i>Reference standards</i> | Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment |

Issued in Genoa on
May 13, 2022

This Certificate is valid until
May 4, 2027

This Certificate consists of this sheet plus an attachment

Enrico Cabella

RINA Services S.p.A.

This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>



**ATTACHMENT TO
CERTIFICATE No. MED194722CS/002**

Page 1 of 3

Manufacturer

WALLMAX INDIA ENTERPRISES PVT.LTD.

Place of Manufacturer

12/6 GOLDEN PEACOCK COMPLEX MAIN MATHURA ROAD
121003 FARIDABAD
INDIA

Product description

Transits of electric cables having diameter ranging from 3.5 mm up to 81 mm installed in A-Class aluminium bulkheads and decks. These transits are composed of EPDM cylindrical body, stainless steel discs on the extremities and screws for the expander mechanism, fitted inside a circular steel coaming welded in the middle, on both sides, to the deck or bulkhead plate. The interstices between the cables and the modules and between the modules are lubricated by means of product named WallMax Lubricant. The transits are insulated, on both sides, with two layers of mineral wool type SeaRox SL 620 or PAROC Fire Slab 100, having density of 100 kg/m^3 and, each, thickness of 60 mm; the mineral wool panels, having dimensions ranging from 240x240 mm up to 420x420 mm, are fixed to the bulkhead or deck plate by means of bi-metallic pins and washers welded with pitch ranging from 150 up to 200 mm.



**ATTACHMENT TO
CERTIFICATE Nr. MED194722CS/002**

Page 2 of 3

Field of application

Fire resistant A-60 Class cable transits through aluminium bulkheads and decks as per following tables:

BULKHEADS AND DECKS

| Transit type | diameter (mm) | Minimum fill % | Maximum fill % | Cables - Maximum diameter (mm) |
|--------------|---------------|-------------------|-------------------|-----------------------------------|
| WR 25 | 25 | 3.6 | 16.2 | 10.5 |
| WR 125 | 125 | 25.7 | 41.3 | 81 |

DECKS

| Transit type | diameter (mm) | Minimum fill % | Maximum fill % | Cables - Maximum diameter (mm) |
|--------------|---------------|-------------------|-------------------|-----------------------------------|
| WRS 75 | 75 | 0.4 | 14.5 | 29 |
| WRS 200 | 200 | 0.03 | 28 | 53 |

BULKHEADS

| Transit type | diameter (mm) | Minimum fill % | Maximum fill % | Cables - Maximum diameter (mm) |
|--------------|---------------|-------------------|-------------------|-----------------------------------|
| WRS 75 | 75 | 0.4 | 10 | 24 |
| WRS 200 | 200 | 0.03 | 28 | 53 |

Reference documents

WallMax drawing Nos. 5500002002, 5500001004 and 5500001003 dated 25 April 2017 approved on 27 April 2017 and 3 May 2017 respectively with endorsement Nos. LABS-1455, LABS-1456 and LABS-1459.

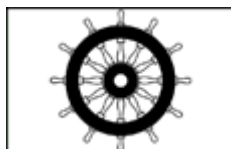
Tests carried out

Tests as per RINA Test Laboratory Reports No. 2017CS01761/1 dated 3 May 2017, No. 2017CS01761/2 dated 27 April 2017 and No. 2017CS01761/4 dated 27 April 2017 issued according to Appendix 1 of IMO 2010 FTPC Part 3 - A.IV Cable Transits

This certificate annuls and replaces the certificate No. MED076117CS/002 dated 05/05/2017 due to renewal.

This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>

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 Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*

YY *Last two digits of year mark affixed*

USCG Approval marking

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category **164.138**.

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 MED.

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



Enrico Cabella

This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>