



**EC TYPE EXAMINATION (MODULE B) CERTIFICATE
(EC-US MRA)**

No. **01-015806/0112236**

THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

GFK Window box B-15 Type 03 - window box fire class "B-15"

NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2022/1157)

MED/3.11b
'A' & 'B' Class divisions fire integrity: 'B' class divisions

MANUFACTURER:

Poly Tec GmbH Kunststofftechnik
Nirmer Strasse 2b, D - 52525 Heinsberg, Germany

MED/3.11b
Place of production (if different from above):
Rudolf Pützer GmbH, Gartensr.34, 53229 Bonn, Germany

REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2022/1157)

SOLAS 74 as amended, Reg. II-2/3.4 and II-2/9, IMO Res. MSC.307(88) - (2010 FTP Code) as amended, IMO MSC/Circ.1120, IMO MSC.1/Circ.1581

USCG Module B number: 164.108/EC2489

NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. 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 and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.
6. This product has been assigned **U.S. Coast Guard Module B number** in accordance with the European Council Decision 2004/425/EC dated 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment, as amended by Decision No.1/2018 of the Joint Committee established by the Agreement of the European Community and the United States of America of 18 February 2019.



Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: 2027-03-14

Place and date: Split, 2023-03-15 Seal _____ Signature _____
Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

GFK Window box B-15 Type 03 is recessed one-piece construction fire class “B-15” for use to close a gap between an opening within certified “B-15” fire class bulkhead lining of the minimum thickness 25 mm and a steel frame for window located in a structural steel bulkhead.

Window box consists of non-combustible material “PT FirstOne” and mineral wool “MIWO LIFEROCK MW-180”.

The window box has a partially multilayer structure of 25 mm thickness (two outer layers of “PT FirstOne” and inner layer of core insulation “MIWO LIFEROCK MW-180”). The inner layer finishes approx. 100 mm before the outer frame. In this area without the inner core insulation the, wall of the box and outer frame are 10 mm thick having a single layer of “PT FirstOne”.

The window box is fixed to the “B-15” bulkhead lining by its frame (90 mm wide flange) with 4.80x60 mm self-tapping screws at distance of 17 mm from the outer edge of the frame. The screws are spaced at intervals of approx. 325 mm in the horizontal and 290 mm in the vertical for rectangular box and of maximum 240 mm circumferentially for round box. Connection between the bulkhead lining and window box flange is tightened with intumescent sealing material “Promasel LW”. Overlapping of the bulkhead and window box flange is approx. 50 mm.

Window box cone may have a sloping angle up to 88°.

Window boxes have rectangular shape or round shape with following maximum dimensions (height x width x depth or Ø x depth):

- 1803,3 x 1103,3 x 585 mm with two openings Ø 630 mm,
- Ø1295,3 x 531mm,
- Ø1829 x 357 mm,
- 1103,3 x 1103,3 x 585 mm Ø 630 mm,
- 1082,3 x 1082,3 x 585 mm with opening Ø 821 mm.

2. APPLICATION/LIMITATION OF USE

Approved for use as a vertical fire divisions class “B-15”.

3. DESIGN DRAWINGS AND SPECIFICATIONS

EPC10319883, rev 0 (for crew window box - double 1803,3 x 1103,3 x 585 mm),
 EPC10319887, rev 0 (for pax window box - round Ø1295,3 x 531mm),
 EPC10319936, rev 0 (for pax window box - round Ø1829 x 357 mm),
 EPC10319941, rev 0 (for crew window box 1103,3 x 1103,3 x 585 mm),
 EPC10319966, rev 0 (for crew window box 1082,3 x 1082,3 x 585 mm).

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Tests carried out according to IMO 2010 FTP Code, Annex 1, Part 3 - Appendix 1:

- Test report No. 20180077, MPA Dresden GmbH issued on 2018-07-10,
- Test report No. 20200528, MPA Dresden GmbH issued on 2021-03-15 and
- Test report No. DMT-do-53-152, DMT-Test Laboratory for Fire Protection issued on 2021-06-25.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

“PT FirstOne” manufacturer Poly Tec GmbH Kunststofftechnik

“LIFEROCK MW-180” mineral wool, manufacturer CBG Composites GmbH

6. OTHER MATERIALS AND/OR COMPONENT

“Promasel LW”, manufacturer Promat S.p.A

7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D - The quality system for production and testing shall be approved by the Notified Body or,

Module E - The quality system for inspection and testing shall be approved by the Notified Body or,

Module F - Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body who shall also issue a Certificate of Conformity.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

Each product is to be supplied with its instructions for installation, use and maintenance.

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 9, 10 and 15 of the Directive, the Manufacturer is allowed to affix the “Mark of Conformity” to the Product described herein.

xxxx/yy

*xxxx - the number of the Notified Body undertaking surveillance module(2489 in case of CRS)
yy - the last two digits of year mark affixed*

This product has been assigned US Coast Guard Module B number **164.108/EC2489**. In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not CRS, such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

10. OTHER

- END OF CERTIFICATE -