



# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB00008X9**  
Revision no.:  
**1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

that the **Penetrations through 'B' class divisions: - electric cable transits**

with type designation(s)  
**B15 PROTECT Leitungsschott**

issued to

**Kaiser GmbH & Co. KG**  
**Schalksmühle, Germany**

is found to comply with the Implementing Regulation (EU) 2024/1975 for  
Item no. **MED/3.27a** (Row **1 of 1**)  
according to the following requirements:  
**SOLAS 74 Reg. II-2/9**

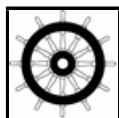
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-05-06**

Expiry date: **2030-02-11**

DNV local unit:  
**Essen**

Approval Engineer:  
**Marcin Tobiasz**



Notified Body  
no.: **0098**



for **DNV SE**

*Digitally Signed By:*  
**Permoda, Jowita**  
on behalf of

**Christine Mydlak-Röder**  
**Head of Notified 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-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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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

"B15 PROTECT Leitungsschott"

Class B-15 Wall Extension for bulkheads made of non-combustible plastic, joined together with integrated protrusions.

### Application/Limitation

Please see Appendix: Application/Limitation

### Type Examination documentation

| Document No.                    | Rev. | Title                                  |
|---------------------------------|------|----------------------------------------|
| 104450-3                        |      | Drawing 9459-14                        |
| 20230329                        | 1    | Drawing 9459-14                        |
| 104450-3                        |      | Drawing 9459-14 (3D)                   |
| 104550-3                        |      | Drawing 9459-15                        |
| 20230329                        |      | Drawing 9459-15                        |
| 104550-3                        |      | Drawing 9459-15                        |
| DMT-DO-53-186-<br>R1-8121437774 | 1    | Test report from DMT, Lathen, Germany. |
| DMT-DO-53-187-<br>R1-8121437774 | 1    | Test report from DMT, Lathen, Germany. |

### Tests carried out

Fire tested according to IMO 2010 FTP Code Part 3.

### Marking of product

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

# APPENDIX

## Application/Limitation

Certificate no.:  
**MEDB00008X9**  
 Revision no.:  
**1**

Approved for use as cable penetration system installation in class B-15 wall panels K-600/25 from Norac AS or wall panels of similar or better construction and materials. The wall panel K-600/25 was constructed as follows: 0.4 mm steel, 24 mm insulation (with density 150 kg/m<sup>3</sup>) and 0.6 mm steel. Wall panel has to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

| Sleeve type    | Seal size (OD) [mm] | Sleeve material | Cable diameter (OD) [mm] | Sleeve length [mm] | Sleeve thickness [mm] | Sleeve position for 1 | Sleeve position for 2 |
|----------------|---------------------|-----------------|--------------------------|--------------------|-----------------------|-----------------------|-----------------------|
| Leitungsschott | 30                  | PC/ABS Xantar   | 4.0 – 12.5               | 25.7               | Profile               | Any                   | Any                   |
| Leitungsschott | 30                  | PC/ABS Infino   | 4.0 – 12.5               | 25.7               | Profile               | Any                   | Any                   |
| Mehrfachschott | 50                  | PC/ABS Xantar   | 4.0 – 12.5               | 25.7               | Profile               | Any                   | Unexposed             |
| Mehrfachschott | 50                  | PC/ABS Infino   | 4.0 – 12.5               | 25.7               | Profile               | Any                   | Unexposed             |

NOTE: \*Profile means that sleeve is made as a mold and has uneven shape. For details, please see drawings.

Sleeve is not insulated.

1. 0.6 mm thick steel is facing fire.

2. 0.4 mm thick steel is facing fire.

Each cable is to have its own sleeve.

Max. four cables in B15 PROTECT Mehrfachschott.

Max. one cable in B15 PROTECT Leitungsschott.

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