



TYPE APPROVAL CERTIFICATE
No. LAB167420CS/003

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	Devices for the passage of pipes through A or B Class divisions
<i>Type</i>	Roxtec Sleeve it Marine Fire Collar B
<i>Applicant</i>	ROXTEC INTERNATIONAL AB ROMBVAGEN 2, BOX 540 SE-37123 Karlskrona SWEDEN
<i>Manufacturer</i>	ROXTEC INTERNATIONAL AB
<i>Place of manufacture</i>	ROMBVAGEN 2, BOX 540 SE-37123 Karlskrona SWEDEN
<i>Reference standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code)

Issued in Genoa on September 15, 2020. This Certificate is valid until September 15, 2025

RINA Services S.p.A.

Enrico Cabella

This certificate consists of this page and 1 enclosure

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Roxtec Sleeve it Marine Fire Collar B
Product description

Devices for the passage of plastic pipes, steel ducts and electric cables through B Class bulkhead as described in the following tables; the devices consist of a tubular or square casing fixed to the bulkhead by means of pigtail screws or bolts. The casings are provided with a break in order to permit the insertion of pipe and intumescent material and have a toggle clip arrangement located at the break used to secure the casings around the pipes.

Plastic pipes having diameter ranging from 16 up to 125 mm

DIAMETER / DIAMETER RANGE (mm)	TYPE OF CASING	EXPOSED SIDE / UNEXPOSED SIDE	INTUMESCING MATERIAL TYPE AND THICKNESS - NO. OF LAYERS OF INT. MATERIAL	CLASS
16	Stainless steel - 60 mm long	Exposed side or unexposed side	INTUMEX L – 2.5 mm - No. 2 layers	B-15
20 up to 32	Stainless steel - 60 mm long	Exposed side or unexposed side	INTUMEX L – 2.5 mm - No. 3 layers	B-15
125	Stainless steel 60 mm long	Exposed side or unexposed side - When fitted on the exposed side the fixing to the bulkhead is to be carried out by means of four 5 x 30 mm long steel threaded bolts with hexagon nut instead of four pigtail screws	INTUMEX L – 2.5 mm - No. 5 layers	B-15

Steel ducts having diameter of 100 and 250 mm

DIAMETER / DIAMETER RANGE (mm)	TYPE OF CASING	INSTALLATION	INTUMESCING MATERIAL TYPE AND THICKNESS - NO. OF LAYERS OF INT. MATERIAL	CLASS
100	mild steel - 60 mm long to each bulkhead side	Flange in the middle of the casing fitted on either side of the bulkhead	INTUMEX L – 2.5 mm - No. 4 layers	B-15
250	mild steel - 120 mm long to each bulkhead side	Flange in the middle of the casing fitted on either side of the bulkhead	INTUMEX L – 2.5 mm - No. 8 layers	B-15

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Electric cables having diameter ranging from 9 mm up to 22 mm

DIAMETER / DIMENSIONS (mm)	TYPE OF CASING - FILLING MATERIAL	INSTALLATION	INTUMESCING MATERIAL TYPE AND THICKNESS - NO. OF LAYERS OF INT. MATERIAL	CLASS
75	stainless steel - 60 mm long Mallowrap Moulding Compound 1190 (beige mastic)	Flange fitted on the unexposed side - casing fitted through the bulkhead	INTUMEX L – 2.5 mm - No. 4 layers	B-15
100 x 100	mild steel - 60 mm long to each bulkhead side Mallowrap Moulding Compound 1190 (beige mastic)	Flange in the middle of the casing fitted on either side of the bulkhead	INTUMEX L – 2.5 mm - No. 4 layers	B-15
16	plastic - 30 mm long	Flange fitted on the unexposed side - casing fitted through the bulkhead	Sleev-it intumescent putty (red)	B-15
32	plastic - 35 mm long	Flange fitted on the unexposed side - casing fitted through the bulkhead	Sleev-it intumescent putty (red)	B-15

Field of application

Fire resistant B Class plastic pipe / steel duct penetration and B Class cable transit through B-15 Class bulkhead type shown in VTT test report No. VTT-S-5026-10 dated on 13 September 2010.

Reference documents

SLEEV-IT drawings as included on VTT test report No. VTT-S-5026-10 dated 13 September 2010 and on VTT Statement No. VTT-S-65599-10 dated 27 August 2010.

Tests carried out

Tests as per VTT Report No. VTT-S-5026-10 issued on 13 September 2010 according to IMO Resolution A.754(18) and as per VTT Statement No. VTT-S-65599-10 dated 27 August 2010.

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 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.

This certificate annuls and replaces the certificate No. LAB174915CS/003 dated 15/9/2015 due to renewal.

Genoa 15/09/2020

File Allegato/Attached file