



**TYPE APPROVAL CERTIFICATE**  
No. LAB174915CS/003

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

<i>Description</i>	<b>Devices for the passage of pipes through A or B Class divisions</b>
<i>Type</i>	<b>SLEEV-IT MARINE FIRE COLLARS B</b>
<i>Applicant</i>	<b>ROXTEC INTERNATIONAL AB ROMBVAGEN 2, P.O. BOX 540 SE-37123 KARLSKRONA SWEDEN</b>
<i>Manufacturer</i>	<b>ROXTEC INTERNATIONAL AB</b>
<i>Place of manufacture</i>	<b>ROMBVAGEN 2, P.O. BOX 540 SE-37123 KARLSKRONA SWEDEN</b>
<i>Reference standards</i>	<b>Chapter 4, Part C of RINA Rules; IMO Res. MSC. 61(67) Annex 1 Part 3</b>

Issued in **Genoa** on **September 15, 2015**. This Certificate is valid until **September 15, 2020**



RINA Services S.p.A.  
**Massimo Dinale**

This certificate consists of this page and 1 enclosure

**TYPE APPROVAL CERTIFICATE**  
**No. LAB174915CS/003**  
**Enclosure - Page 1 of 2**  
**SLEEV-IT MARINE FIRE COLLARS 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



**TYPE APPROVAL CERTIFICATE**  
**No. LAB174915CS/003**  
**Enclosure - Page 2 of 2**  
**SLEEV-IT MARINE FIRE COLLARS**

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.

**Remarks**

Each item of the mass production to be fitted on vessels classed by RINA is to be previously inspected at the manufacturer workshop by a RINA Surveyor and is to be marked or labelled with the trade name and the data of the Company to whom this Certificate is addressed. The validity of this Certificate ceases in the case of amendments to the rules on the basis of which the Certificate was issued.

Genoa 15/09/2015

