



TYPE APPROVAL CERTIFICATE
No. **LAB115218CS/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 SLEEV-IT WT MAR ALU on aluminium decks
<i>Applicant</i>	ROXTEC INTERNATIONAL AB ROMBVAGEN 2, P.O. BOX 540 SE-37123 KARLSKRONA SWEDEN
<i>Manufacturer</i>	ROXTEC INTERNATIONAL AB
<i>Place of manufacture</i>	ROMBVAGEN 2, P.O. BOX 540 SE-37123 KARLSKRONA SWEDEN
<i>Reference standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code)

Issued in **Genoa** on **May 10, 2018**. This Certificate is valid until **May 9, 2023**

RINA Services S.p.A.

Enrico Cabella

This certificate consists of this page and 1 enclosure

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Roxtec SLEEV-IT WT MAR ALU on aluminium decks

Product description

Device for the passage of plastic pipes (not reinforced and multilayer) through A Class aluminium decks composed of a stainless steel tubular casing fitted with aluminium flange welded to the deck plate. Decks insulated on the side exposed to the fire by means of two layers of mineral wool 30 mm thick each and having density of 130 kg/m³. The deck insulation covers also the transits.

Field of application

Fire resistant A-60 Class plastic pipe penetrations through aluminium decks as per following tables:

TYPE OF TRANSITS - PIPE DIAMETER	ADDITIONAL INSULATION	TRANSIT FIXING AND NOTES
Transits from SLEEV-IT WT-MAR16M ALU up to SLEEV-IT WT-MAR225M ALU pipe diameter from 16 mm up to 225 mm	No additional insulation	Seal fitted on the exposed side.

Reference documents

Roxtec drawings included in DBI Report No. PGA10802A dated 29 August 2016 and in CTO Report No. RS-17/B-210/E dated 2 June 2017.

Tests carried out

Tests as per DBI Report No. PGA10802A dated 29 August 2016 and CTO Report No. RS-17/B-210/E dated 2 June 2017 issued according to IMO 2010 FTP Code - Annex 1 - Part 3. Note: Transits SLEEV-IT WT-MAR16M and SLEEV-IT WT-MAR225M were subjected to hydrostatic test (water - 1.5 bar) for 60 minutes and gas-tightness test (helium - 1 bar) for 30 minutes without any leakage - Tests as per DNV-GL Survey Report No. N141EX90 dated 30 June 2017.

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.

Genoa 10/05/2018

File Allegato/Attached file