



TYPE APPROVAL CERTIFICATE
No. LAB498522CS/002

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 FC 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, 37165 LYCKEBY SWEDEN
<i>Reference standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code)

Issued in Genoa on June 5, 2023. This Certificate is valid until May 9, 2028

RINA Services S.p.A.

Enrico Cabella

This certificate consists of this page and 1 enclosure

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Roxtec SLEEV-IT FC 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. The casings are provided of a break in order to permit the insertion of pipe and intumescent material and have a toggle clip arrangement located at the break in order to secure the casings around the pipes. Decks insulated on the side exposed to the fire by means of two layers of mineral wool (certified non combustible according to the IMO FTP CODE), having minimum thickness of 30 mm and minimum density of 130 kg/m³. The deck insulation covers also the transits, when installed on the exposed side, and is applied all around the same for a minimum width of 250 mm.

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
Transit SLEEV-IT FC-MAR16M ALU - pipe diameter 16 mm	No additional insulation	Seal fitted on the exposed or unexposed side. Transits fitted with or without Roxtec Fire Sealant
Transits from SLEEV-IT FC-MAR16M ALU up to SLEEV-IT FC-MAR225M ALU pipe diameter from 16 mm up to 225 mm	No additional insulation	Seal fitted on the unexposed side.
Transits from SLEEV-IT FC-MAR16M ALU up to SLEEV-IT FC-MAR225M ALU pipe diameter from 16 mm up to 225mm	No additional insulation	Seal fitted on the exposed side. Transits fitted with Roxtec Fire Sealant

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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.

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 5/06/2023

File Allegato/Attached file