



Indian Register of Shipping

CERTIFICATE NO: 2017TAC086

TYPE APPROVAL CERTIFICATE

*This is to certify that the product is in accordance with the applicable rules/standards/codes as described below.
The product is considered to be suitable for use in marine applications and is **included** in the list of approved products.*

MANUFACTURER	Roxtec International AB
REGISTERED OFFICE & WORKS	Rombvagen 2, 371 65, Lyckeby, Karlskrona, Sweden
PRODUCT NAME	CABLE AND PIPE PENETRATION
MODEL NO / TRADE NAME	Roxtec Sealing System (For Models See Annexure I)
PRODUCT DESCRIPTION	Roxtec Sealing System with multidiameter technology (R, S and RS Series) for use in shipboard deck and bulkhead penetrations. For details, See Annexure I
APPLICABLE RULES/STANDARDS/CODES	-IRS Rules and Regulations for the Construction and Classification of Steel Ships -IMO 2010 FTP Code
CONDITIONS OF APPROVAL	See Annexure-II
VALIDITY	The Certificate is valid until 23/10/2022

ISSUE DATE: 24/10/2017

PLACE: MUMBAI

Premjit Panigrahi

Principal Surveyor

This Certificate is issued upon the following terms and conditions as laid down in the Society's Regulations:-

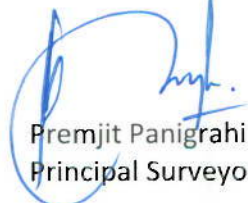
"Whilst Indian Register of Shipping (hereinafter referred to as IRS) and its Committees use their best endeavours to ensure that the functions of IRS are properly carried out, in providing services, information or advice neither IRS nor any of its servants or agents warrants the accuracy of any information or advice supplied. Except as set out herein neither IRS nor any of its servants or agents (on behalf of each of whom IRS has agreed this clause) shall be liable for any loss damage or expense whatever sustained by any person due to any act or omission or error of whatsoever nature and however caused of IRS its servants or agents or due to any inaccuracy of whatsoever nature and howsoever caused in any information or advice given in any way whatsoever by or on behalf of IRS, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of IRS, or relies on any information or advice given by or on behalf of IRS and suffers loss damage or expenses thereby which is proved to have been due to any negligent act omission or error of IRS its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of IRS then IRS will pay compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by IRS for that particular service, information or advice.

Any notice of claim for loss, damage or expense as referred to above shall be made in writing to IRS Head Office within six months of the date when the service information or advice was first provided, failing which all the rights to any such claim shall be forfeited and IRS shall be relieved and discharged from all liabilities."

ANNEXURE-II
(TO CERT. NO. 2017TAC086 DATED 24TH OCTOBER 2017)
TERMS AND CONDITIONS

This approval is subject to the following:

- 1) The cable and pipe penetration transits are approved for use in A-0, A-15, A-30 and A-60 steel bulkheads and decks. However, for A-0, A-15 and A-30 applications, the penetration shall be insulated as for A-60 insulation (on the penetration itself and 200 mm around) considering product prototype testing undertaken with A-60 insulation.
- 2) The bulkheads and decks are to be insulated as per the requirements of SOLAS 1974 (as amended) and the approved "Structural Fire Protection Plan". Insulation materials used are also to have valid type approval as per IMO FTP code.
- 3) The above product is to be supplied with its manual for installation and maintenance.
- 4) The product or its packing is to be marked with name of manufacturer, type designation and fire rating.
- 5) These cable and pipe penetration transits are not to be used for penetrating boundaries of tanks.
- 6) Any change in the constituents or manufacturing process affecting the approval would require re-assessment of the works for continued approval.
- 7) Any revision to the applicable reference standard/code would necessitate testing and re-approval of the above products for continued approval.


Premjit Panigrahi
Principal Surveyor