

5 things to consider

when choosing a multi-cable transit system

There are many types of sealing solutions for cable and pipe penetrations available on the market. Modular-based cable and pipe transits are rightfully popular, but remember that the overall quality level of each system depends on several different factors. It is important to compare seals and ask questions.

Roxtec transits, for example, are not only certified to the highest safety standards. The seals are also halogen-free. It means the material is environmentally friendly and has low smoke toxicity. Another example that counts in a comparison is that Roxtec seals always come with local technical support.

In order to help you evaluate and compare different systems, we provide these five simple questions to ask before deciding which system to use – together with the correct answers from our point of view. We hope the information will help you understand if a system ticks all boxes and guide you to the right seal.

1 Is the sealing system halogen-free?

In its General technical statement 1361, revision 1, the Product Management of Roxtec International AB, Sweden, states: "the Roxylon rubber used in the Roxtec systems is halogen-free. After thorough analysis using the combustion method according to SS-EN-ISO 16994 followed by alkaline solution neutralization it was determined that the rubber is entitled to be labelled as halogen-free in accordance with EN-IEC-61249". Please go to roxtec.com or contact your Roxtec representative for the full technical statement.

2 How much insulation is required to maintain a fire rating?

These are the typical insulation requirements for Roxtec sealing solutions for the following fire integrity ratings:

- Insulation for A-60 class steel bulkhead: A-60 insulation around frame on one side of bulkhead.
- Insulation for A-60 class steel deck: A-60 insulation around frame below deck.
- Insulation for A-0 class steel deck and steel bulkhead: no additional insulation required.

3 What is the maximum cable fill rate to maintain a fire rating?

In a standard Roxtec 6x1 transit, the frame can be filled to full capacity and still maintain the fire rating.

4 Is the system a certified solution for all classes?

Roxtec sealing solutions are approved all over the world with over 220 third party certificates, including certifications from Lloyds, ABS, DNV and other major global classification societies and national authorities.

5 Is there local support?

Roxtec is a global company with a strong local presence in more than 80 markets around the world. Our global team has a great experience from collaborating in international projects as well as from responding to project specific, or national or regional requirements. We have a dedicated full time staff that supports the marine and offshore markets throughout Canada. Our National Marine & Offshore Manager is Paul Losinski. Contact Paul by phone: **+1-709-682-1550**, or e-mail: paul.losinski@roxtec.com.