

Roxtec – Sealing Applications

Facts and figures

- Founded in Sweden in 1990
- Customers in more than 80 markets
- 26 subsidiaries worldwide
- Extensive R&D resources and advanced test facilities



Fire protection

Roxtec provides solutions that resist both fire and jet-fire. The seals efficiently prevent a fire from spreading.



Noise insulation

Minimize hydraulic pipe related noise by using mechanical seals for silent operation.



Pest prevention

Roxtec seals prevent rodents from invading buildings and snakes and spiders from entering shelters and cabinets.



Gas-tightness

Install airtight cable and pipe seals in order to control any pressurized area as well as the climate and the energy use.



Water-tightness

Check out Roxtec product families and select seals that withstand either constant or catastrophic water pressure in order to avoid humidity and flooding.



EMC solutions

Ensure operational reliability with a system for electromagnetic compatibility including bonding and grounding.



Lightning protection

Roxtec offers solutions that can protect even the most sensitive electronic equipment in case of a lightning strike.



Vibration damping

The soft, yet firm rubber of Roxtec solutions absorbs vibration while securing cable and pipe fixation.



Explosion protection

Roxtec seals are safety products and include versions approved for hazardous locations in accordance with the IECEx and ATEX directives.



Dust and sand barrier

The seals are made for long-term use and re-installation. Therefore, they are developed to handle a wide range of particles.



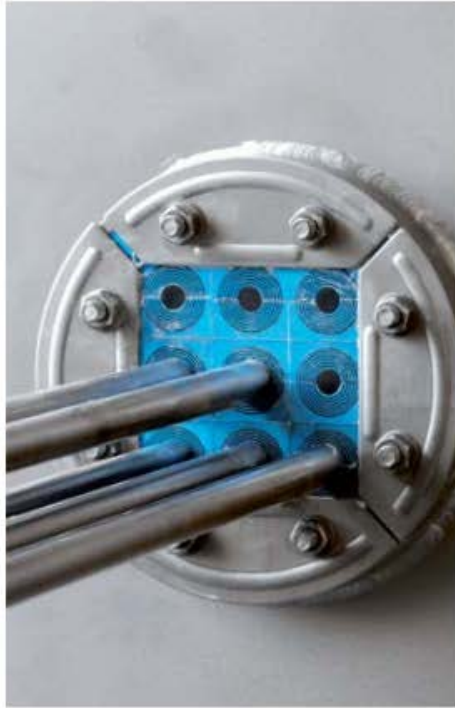
PROTECTING LIFE AND ASSETS

Broad Sealing Portfolio

Rectangular solutions



Round solutions



Underground solutions

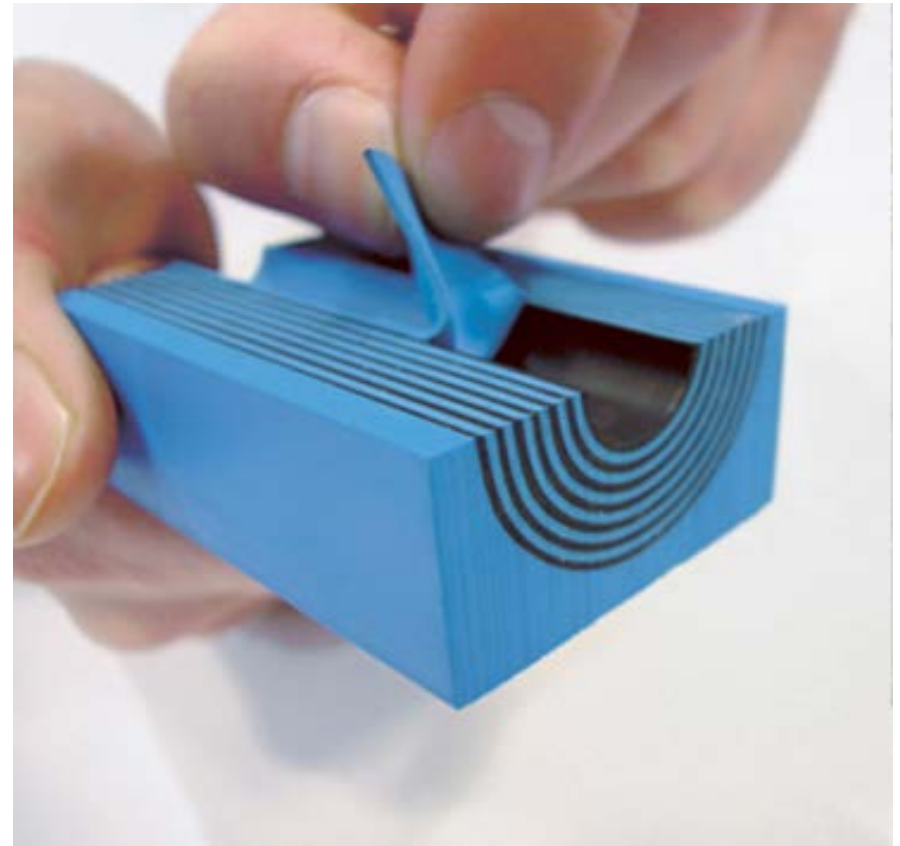


Compact solutions



Multidiameter™ by Roxtec

- **Flexible** modules adapt to different sizes of cable/pipe O.D.
- Center core allows for **future spare capacity**
- This **saves time** during design, installation and maintenance/upgrades



Roxtec Sealing Applications

- Wall transits
- Floor transits
- Cabinets



Roxtec Nuclear Applications



Roxtec testing facility



Fire



Water



EMC

Material Development Laboratory

We have since 2015 a new and modern material development laboratory where we both develop new rubber compounds and do advanced material analysis.

Material Development Laboratory

Two rooms and two material specialists

- Room 1: Mixing and Vulcanization, Extrusion and Fire tests
- Room 2: Material Testing and Analysis



Pontus Danielsson and Panch
Svensson

We can...

1. We can develop our own compounds (recipes) by mixing and vulcanization
2. We can test the extruder ability
3. We can foresee the fire performance
4. We can see how the degradation of our compounds will be at higher temperatures
5. We can see how compounds behaves at different temperatures, both at static and dynamic load
6. We can foresee how our compounds seal over time

Equipment

- Rubber mixing with rolling mill and press
- Mooney viscosity and Rheometer equipment
- Limited Oxygen Index
- DMA, FTIR and TGA
- Stress Relaxation



THANK YOU!

QUESTIONS?

Protecting life and assets