



Nuclear power plant applications

Cable and pipe transit seals



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We Seal Your World™



Sealing solutions for peace of mind

Roxtec provides complete cable and pipe penetration seals for new-builds as well as existing nuclear power plants. Our flexible seals help you ensure a safe and reliable production.

Deal with the risks

Roxtec sealing solutions are installed in nuclear power plants all over the world – in building structures as well as control cabinets, connection boxes and other enclosures. Our system is developed and certified to fulfill the industry's fire barrier and tightness requirements. It minimizes risk and protects people, equipment and assets against fire, gas and water.

Total safety control

With our seals, you can also shield sensitive equipment from electromagnetic disturbances. Our solutions for tightness help you control the airflow and secure the separation between buildings and fire zones.

Upgrade – anytime

Our sealing system is designed to keep your plant prepared for future needs. It is adaptable to cables and pipes of different sizes and

provides built-in spare capacity for retrofit and expansion. This is truly excellent for a power plant designed for an operational lifetime of up to 60 years.

Standardize for efficiency

There are several reasons for specifying Roxtec seals as your standard solution. You simplify the process all the way from planning and design through to inspection. Using our system is the safest way to ensure long-term operational reliability – and a good return on your investment.

TESTED AND CERTIFIED

- Fire-proof
- Gas-tight
- Watertight
- Ex protection
- EMC versions

Use Roxtec seals to secure your plant

Discover some of the applications where the Roxtec transit sealing system is used to protect equipment and ensure safety, efficiency and operational reliability in nuclear power plants.

Connection boxes: Sealing solutions for all types of cables used within power and control.



I/C cabinets: Neat and area efficient cable entry seals suitable for safety and non/safety applications.



Transits in critical areas:
Roxtec EMC seals for efficient elimination of electro-magnetic disturbances.



Wall transits: Roxtec seals for cables and pipes in round openings – a cost-effective alternative especially when additional transits are needed.



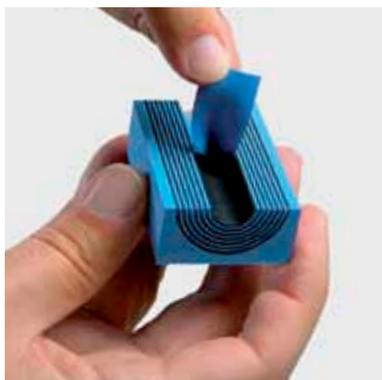
Transits in cable tunnels or between buildings:
Certified seals installed to separate fire zones and stop the risk of flooding.



Transits in building structures:
Air-tightness and fire protection ensured in outer walls and between buildings or cable culverts.



Our flexible sealing system



Multidiameter™ by Roxtec

Our invention for adaptability is based on sealing modules with removable layers. You just peel off layers to enable a perfect fit to any cable or pipe. This simplifies design, speeds up installation, minimizes logistics and reduces the need for keeping different components in stock. In all, it makes electrical design and installations easy and safe for engineers and installers.

Fit for retrofit

Thanks to the modular-based seal, cables are neatly organized. A small, but proper space between each cable creates area efficiency and facilitates inspection and maintenance. The flexibility allows you to open up and modify the installation and replace or add new cables later on. This can be done quickly, without spare parts, since your stock of seals is already on site. Using Roxtec is a small investment,

but it provides a lot of opportunities for future upgrades.

The recommended choice

What more can you ask for than a certified, user-friendly and standardized sealing solution for cable and pipe transits, covering the safety needs in the nuclear power industry? It is rather evident why our sealing system has become the globally recommended industry standard.

BENEFITS

- Efficient design
- Quick installation
- Certified protection
- Simplified inspection
- Future capacity included

We support you globally

Sharing our knowledge

Roxtec is much more than a supplier. Our sales and support staff around the world help customers find their optimal solution. Our knowledge, acquired through many years of work in the field, enables us to guide you to a solution that suits your specific needs.

We help ensure quality

Our extensive R&D resources, including a design department, advanced test and fire labs and a technical center, give us the opportunity to continuously develop, improve and verify products and solutions for our customers. One example is the Roxtec Transit Manager software which simplifies design and planning. We provide tests and certificates as well as support and documentation for transferring knowledge within your project organization.

Installation training

Whenever desired, we provide product installation training on site through our sales staff and technicians. In the Installer's section of our website www.roxtec.com, we have collected useful information for staff involved in assembly and installation of the Roxtec sealing system. Instructions and videos can be viewed online or downloaded for free.



Reference projects

Australia: **INVAP**, OPAL research reactor

China: **CNPEC**, Taishan 1 and 2, **Westinghouse**, Sanmen 1 and 2

Finland: **AREVA**, OL 3, **Fortum P&H Oy**, Loviisa 1 and 2, **TVO**, OL 3

France: **EDF**, Chinon

Germany: **EnBW**, Phillipsburg 1

India: **NPCIL**, Tarapur

The Netherlands: **COVRA**, Habog storage facility

South Korea: **Westinghouse**, Shin Kori 3 and 4

Sweden: **FKA**, Forsmark 1 and 2, **Vattenfall**, Ringhals



Local presence worldwide

Roxtec is the world-leading provider of modular-based cable and pipe seals. We are present all over the world in order to ensure product availability as well as quick support and fast deliveries.

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Quality behind the power.

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Providing Commercial Grade Dedication and Qualification, Testing, Engineering, Quality Assurance, Panel and MCC Design/Fabrication/Integration; 10CFR50 Appendix B, NQA-1, and ISO 9001 Certified



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