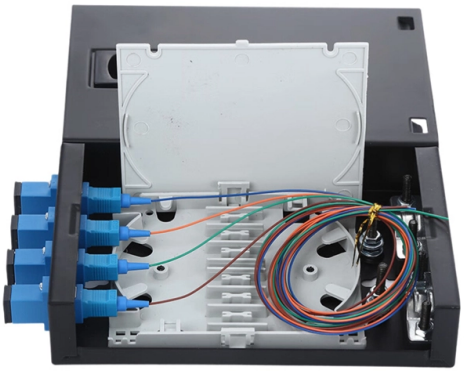
Explosion-proof sealant for cable trays in Democratic Republic of Congo



Overview

Cable sealing solutions The roxtec ex cable sealing system is certified according to the aTeX directive and the IeCex, International Certification scheme.

Key Takeaways

Certified explosion-proof sealants for cable trays include Roxtec Ex seals, Astro 6804 epoxy, AF BAGS fireproof pillows, and NOFIRNO silicone systems, all suitable for hazardous areas.

ATEX and IEC

Ex Certified Cable Seals

Roxtec Ex cable transit devices are designed for use in potentially explosive atmospheres and are certified under ATEX and IECEx standards. They provide protection for Ex e (increased safety for gas) and Ex tb (protection by enclosure for dust) rated enclosures, including transformers, motors, generators, and junction boxes. These seals are suitable for Zone 1 and 2 gas areas and Zone 21 and 22 dust areas, making them ideal for industrial facilities in the DRC with hazardous atmospheres.

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Fireproof Pillows for Cable Tray PenetrationsAF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3, capable of sealing cable tray penetrations up to EI 240. They are designed for cables up to 21 mm in diameter and can be inserted into thin structures without additional framing. These pillows are repositionable, non-toxic, and facilitate maintenance or modification of cable systems.

Explosion-

Proof Epoxy Sealants

Astro 6804 Liquid Epoxy Sealing Compound is a two-component, flame-retardant epoxy suitable for potting cable glands and bushings in explosion-proof enclosures. It offers void-free encapsulation, fast curing, UL 94V-0 flame resistance, and UL 2225 certification for high explosion-risk applications. Its flowable viscosity ensures complete sealing, and it is VOC-free, making it suitable for field applications in oil, gas, and mining operations.

Multi-

Purpose Silicone Seal Systems

The NOFIRNO system provides a long-term, maintenance-free solution for sealing cable and pipe penetrations. Made from high-grade silicone, it is approved for fire, watertight, gas-tight, blast, and shock applications, and can accommodate metallic, GRP, or plastic pipes. Its adhesion-based design prevents damage to sensitive cables and ensures durability in harsh industrial environments.

Selection Considerations

When choosing a sealant for cable trays in the DRC: Hazard classification: Determine the zone (gas or dust) to select the appropriate ATEX/IECEx rated product. Cable size and tray dimensions: Ensure the sealant or pillow fits the cable diameter and tray width. Fire and chemical resistance: Consider products with high EI ratings or chemical resistance for industrial environments.

Ease of installation and maintenance: Repositionable or flowable sealants facilitate future modifications. These products are widely used in mining, oil & gas, and chemical processing industries, making them suitable for deployment in the Democratic Republic of Congo.

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Article Content

Cable sealing solutions

The roxtec ex cable sealing system is certified according to the aTeX directive and the IeCex, International Certification scheme, for use in areas where explosive atmospheres are likely to occur.

Explosion-Proof ATEX & Ex-Certified Cable Transit

Our Cable Transit Frames and Sealing Systems, certified for use in potentially explosive environments (EX zones), provide a safe and reliable way to route

Flame Retardant & Explosion-Proof Epoxy Encapsulant

Astro Chemical''s flame retardant, explosion-proof potting and encapsulation epoxy for potting and encapsulating cable glands use in high explosion risk applications.

Sealing Solutions

For these critical specifications, Hilti multi-cable transit (MCT) systems deliver you a high-performance but practical solution for creating fire-, water- and gas-resistant protective seals around cables and

Firsto System | CSD Sealing Systems

FIRSTO is specifically suitable for the fire resistant ducting of cables and/or cable trays through wall and floor penetrations. No other firestop can offer the high level of security with the flexibility, time and

Pressure Exerting Sealant | Pyroplex | Fire resistance up to 240 minutes

Approval Type: IFC Certification No.IFCC1029 Pyroplex Pressure Exerting Sealant expands multi-directionally when exposed to elevated temperatures, exerting pressure to seal and prevent the

Electrical Conduit Sealant | Sealing Compound | Killark

These compounds seal conduits and fittings, preventing dangerous elements from entering and maintaining system integrity. They meet strict safety standards, resist chemicals, and endure

Fireproof pillow for cable tray penetrations

AF BAGS are intumescent and ablative fireproof pillows certified under EN 1366-3 for sealing up to EI 240 of cable tray penetrations.

Crouse Hinds A4 Chico Sealing Compound | Industrial

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The Crouse-Hinds A4 Chico A Series Sealing Compound, offered by Worksite Lighting LLC, is a 1-pound can of industrial-grade sealing material. It''s designed

Cable and pipe seals for hazardous locations

Roxtec Ex cable transit devices are certified according to the ATEX directive and the IECEx, International Certification Scheme, for use in potentially explosive atmospheres. The seals efficiently

Explosion Proof Cable Trays in Chemical Plants

Essential guide to explosion proof Cable Trays in Chemical Plants. Learn about tray zoning, materials, design, installation, & safety for hazardous

Polywater® FST™ Foam Duct Sealant | Electrical Sealant

Polywater FST Duct Sealant is used to protect mission-critical electrical and telecommunication systems from water, gases, and other unwelcome intrusions. The closed-cell, foaming caulk technology

The advantages, challenges and critical aspects to achieving robust ...

Abstract – Explosion-proof conduit fittings, cable glands and connectors require a seal to limit the passage of flames and flammable gases and vapors. This paper will review currently available

Achieving robust seals in hazardous electrical installations

• Explosion-proof conduit • Improper selection or fittings, cable glands and installation of a sealing connectors require a seal system can compromise to limit the passage of flames the entire system

The ''Ex d'' type of protection: electrical cable installation

In areas at risk of explosive atmospheres, systems with electrical cable installations are nowadays a valid alternative to traditional systems with conduits systems.

Fireproof Cable Trays Acceptance: Standards for Safety

Ensure safety and durability with this comprehensive guide to fireproof cable trays acceptance. Learn coating processes, inspection standards, and

Conduit Sealing Instructions for Equipment in Hazardous Locations

Conduit seals prevent explosions from spreading through conduit systems and igniting outside atmospheres. When properly installed and filled with a UL-listed sealing compound, they prevent the

Explosion-Proof NPT Wire Bushing | Wire and Cable

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Explore our high-quality explosion-proof NPT wire bushings. Our epoxy-sealed, explosion-proof wire and cable bushings withstand pressures up to 10,000 psi for

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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