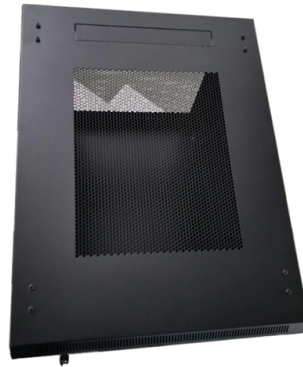


Fireproof sealant for bridge arch cavities



Article Overview

Fireproof sealants and cavity barriers designed for structural applications can provide up to 120 minutes of fire resistance for bridge arch cavities, with options including intumescent sealants, acrylic fire caulks, and polymer-based wet-zone sealants.

Recommended Fireproof Sealant Types

1. Intumescent Sealants and Cavity Barriers Intumescent materials expand when exposed to heat, effectively sealing gaps and preventing fire spread. Products like PFC Corofil cavity barriers are designed for cavities up to 600mm and provide up to 120 minutes of fire resistance, suitable for ventilated and non-ventilated bridge arch cavities. They are available in strips or blocks and can be customized to fit specific cavity dimensions, ensuring robust fire protection . 2. Polymer-Based Wet-Zone Sealants For bridge arches exposed to moisture or weathering, Siderise FR-X Fire Rated Wet Zone Sealant offers up to 4 hours of fire resistance. It is certified under EN 1366-3 and EN 1366-4 and provides flexibility, durability, and acoustic sealing performance, making it ideal for external structural cavities . 3. Acrylic Firestop Sealants Universal fire caulks like Hilti CP 606 provide flexible firestop sealing for joints and penetrations. These sealants are suitable for linear gaps and can be applied in bridge arch cavities where movement or vibration may occur. They are tested for fire-rated joints and through penetrations, ensuring compliance with safety standards . 4. Spray-Applied and Rigid Board Fireproofing For larger structural cavities, Isolatek CAFCO® and FENDOLITE® products offer spray-applied or rigid board fireproofing solutions. These materials are UL-certified and can be applied to steel or concrete bridge arches, providing a continuous fire-resistant layer that meets commercial and infrastructure standards

Article Content

Fire Resistant Seals – Service Penetration Seals

Fyreguard supplies fire resistant service penetration seals including Fire Collars, Fire Rated Barrier Systems, Fire Rated Joint Seals,

Voids And Fire Sealants

Seal voids effectively to avoid the risk of fire spread and improve building safety for occupants. Discover ROCKWOOL's fire sealant

Voids And Fire Sealants

Before a site can be declared fit for purpose, every single fire stopping point needs to be checked to ensure its integrity is intact. Void

Fire Resistance | Dow Inc.

Discover how Dow fire sealants uses fireproof silicone to create heat resistant sealants to improve safety and longevity in fire barrier

Roxtec fire sealant

Roxtec fire sealant is a supplementary smoke and fire resistant acrylic sealant for use between Roxtec frames/sleeves and different

Fire-Rated Sealants | Trafalgar Fire

fire rated sealants play a crucial role in preventing the spread of fire and smoke. In this blog, we will discuss the importance of fire

Products | Passive Fire Protection solutions | PFC Corofil

The PFC Corofil range of cavity barriers, linear gap seals & products to fire stop service penetrations are backed by third party

Fire Rated Sealants

Our products comply with the latest relevant standards and can be used for a wide range of fire protection uses in linear seals, cavity

Fire Mastic & Sealants

When subjected to atmospheric conditions, the sealant cures however, it will retain a degree of elasticity for joint movement. Under

Penetration Seals

Penetration seals, also known as service penetration seals, are passive fire protection systems designed to maintain the fire

Linear Seals, Cavity Barriers and Service Penetration Seals

Fire resistant sealants, fillers and backing materials for linear seals as well as solutions for penetration seals enable safer buildings

Fire Protection Sealants for Safety & Compliance | Sika UK

Designed to enhance fire resistance and prevent the spread of flames, our sealants are essential for safeguarding properties. Fire

How to Protect Bridges Against the Growing Risk of Fire Damage

Bridge fires are a major risk during construction and after. Read how to protect bridges against the growing risk of fire damage.

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Discover Sika's fire protection sealants, designed to enhance safety and compliance in construction. Ensure lasting fire resistance -

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Fireproof caulk systems use intumescent technology, expanding when heated to seal gaps. High-temperature fire-resistant sealant

Fire Penetration

Fire penetration products can prevent flames and smoke spreading through gaps and unsecured elements in your building. Discover

High-Temperature Heat Resistant Sealants | VITCAS

High-Temperature Sealants - Advanced Heat-Resistant Sealing Solutions Vitcas range of High-Temperature Sealants is expertly

Sealing Concrete Bridge Decks: Overview of Current Technologies

Concrete Non-Film Forming Sealers Overview of most recent and commonly used non-film forming sealer technologies for the

Firestop Systems

Fire resistant sealants, fillers and backing materials for linear seals as well as solutions for penetration seals enable safer buildings

VITCAS High Temperature Sealants | Fire & Flue Sealing Products UK

Professional-grade high temperature sealants for stoves, flue pipes & fireplaces. Heat-resistant, fire protection sealants for UK

SabreSeal FRA+ Fire Sealant

SabreSeal FRA+ Fire Sealant is a high-performance, water-based, acrylic, fire-rated joint sealant designed for sealing interior &

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