

Technical Data | ISA462 Fire Sealant

Description

ISA462 Fire Sealant is a high performance, professional quality, one part ready to use sealant and adhesive. Based on an innovative new Inert Polymer Technology it is suitable for a wide variety of building trade applications including decorating, flooring, joinery, plumbing and tiling and out-performs conventional silicone, MSP, butyl and acrylic based products as a sealant and adhesive – the only sealant free from dangerous emissions.

ISA462 Fire Sealant is designed for sealing joints, voids/irregular holes in walls, partitions and other structures, resulting in an airtight and watertight seal. ISA462 is a non-reactive environmentally friendly chemistry that ensures compatibility with most building materials and has the unique property of moving dynamically to accommodate the natural or unexpected movements of sealed/boned joints within a building for long lasting performance.

ISA462 eliminates the selection choices that need to be made with conventional sealants and adhesives. Choosing a product for a building application can be confusing especially as there are a wide number of products available and within those products a variety of grades, with variations in properties to suit the substrate or application.

Features

- Primerless adhesion
- Excellent adhesion to most common substrates
- Dynamic for low and high modulus applications
- 3D joint movement capability minimum 25%
- Can be used for all applications internally
- Fire rated up to 4 hours both integrity and insulation
- Resistant against radon (radioactive particles)
- Excellent slump resistance
- Only technology available that is VOC free
- Resistant to mould and mildew
- Low dirt pick up
- Non staining on susceptible surfaces
- Easy to apply and tool off
- Excess can be wiped before curing (use damp cloth)
- Paintable
- Low shrinkage
- Does not yellow

Properties

ISA462 remains permanently flexible and is paintable with both alkyd resin and water based paints.

Suitable applications include:

- Internal sealing around doors and windows
- Sealing where air quality for health is important
- Sanitary applications including showers
- Sealing of gaps around fitted furniture and worktops
- Sealing around flooring
- Fire resistant sealing
- Radon resistant sealing
- Decorating caulking and sealing
- Air and sound sealing

ISA462 can be used as an adhesive and has excellent initial grab quickly developing a high bond strength resulting in a permanent fixing. It is easy and economical to apply and is ideal for general construction. ISA462 bonds to most building materials.

Substrates include:

- Brick, concrete, stone, slate, ceramic, marble, granite
- Timber, plywood, block board, chipboard, fibreboard
- uPVC plastic trims and polycarbonate
- Insulating board
- Expanded polystyrene
- Plasterboard and plaster
- Metals, aluminium, steel, lead, copper and alloys
- Painted surfaces

Surplus uncured material can be removed using a damp cloth as the uncured sealant is completely soluble in water.