PFE TECHNOLOGIES

PERESEAL® FR

High Performance Intumescent Acrylic Sealant

FEATURES

- Fire rated in both horizontal and vertical joints
- No priming needed for most building/construction joints
- Joint movement capability of 12.5%
- For use in joint up to 50mm wide
- Excellent slump resistance
- Fast cure -tack free within an hour
- Excellent adhesion to most common building and construction materials
- Easy to apply and tool off
- Halogen-free
- Paintable

TEST STANDARD / CONFORMITY

United Kingdom : WARRES No. 181672
BS 476: Part 20: 1987 - Bodycote warringtonfire

Singapore : Certificate of Conformity No. 012131 - TÜV SÜD PSB Pte Ltd

Distributor:

Fire Rated Intumescent Acrylic Sealant

PERESEAL® FR

PRODUCT DESCRIPTION

PERESEAL® FR Intumescent Acrylic Sealant is a one-component fire rated, gun grade joint sealant based on emulsion acrylic. It creates a firm yet flexible seal to construction joints in a variety of fire rated structure. It is non-combustible and when exposed to heat and chars, it intumesces to prevent the spread of smoke and fire through the joint.

To ensure that flame and intumescent properties are maintained, most currently available sealants sacrifices sealing performance. PERESEAL® FR Intumescent Acrylic Sealant was been formulated to give improved sealing and applications perfoemance coupled with good fire retardant properties.

TECHNICAL DATA	
Properties	Description
Base	Acrylic Emulsion
Consistency	Thixotropic Paste
Skinning Time	20 minutes max
Tack Free Time	60 minutes max
Specific Gravity	1.60 - 1.64
Movement	12.5%
Solid Content	80% minimum
Flashpoint	None

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JOINT DESIGN

Minimum width : 5mm
Maximum width : 25mm
Minimum depth : 5mm
Recommendation : 2 x joint width = joint depth

PACKAGING and SHELFLIFE

- Color : grey
- Packaging : 300mL cartridge
  20 cartridges per box
- Shelflife : 12 months for unopened packaging in a cool and dry storage place at temperature between +5°C to +30°C.

For more information, please contact:

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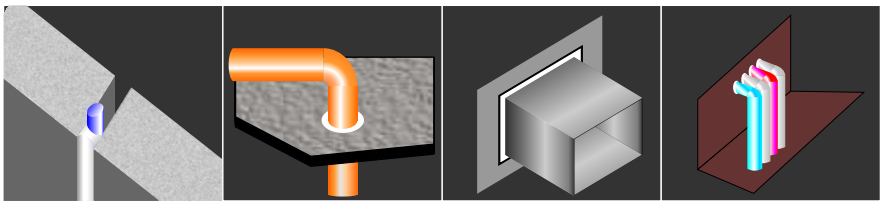

Control Joint | Pipe Wall Penetrations | Duct Systems | Electrical Cables

APPLICATIONS

- Sealing joints, voids and irregular holes in fire walls, partitions and other structures
- For maintaining its integrity when sealing around pipes and cables that penetrates them
- Ideally suited for internal perimeter pointing of fire rated doors, window frames and duct systems.

APPLICATION METHOD

Method : Caulking Gun
Substrate : All usual building/construction materials
Surface : Clean, free of dust, oil and grease.
Application Temperature : +5°C to +35°C

Surface may be damp but not wet. Use mechanical abrasion to clean porous surfaces before application. For internal cracks in plasters, etc., the shoulder of the crack should be widened to a minimum of 3 - 4 mm to ensure an adequate penetration and performance. For internal sealing around door and window frames and skirting boards, a 10mm fillet is recommended.

APPLICATION METHOD

TYPICAL FIRE RATINGS		
Joint Substrates	Orientation	Joint Integrity
Aerated blockwork/aerated blockworks	Wall Joint	245 minutes
Hardwood/aerated blockworks	Wall Joint	96 minutes
Softwood/aerated blockworks	Wall Joint	55 minutes
Steel/aerated blockworks	Wall Joint	77 minutes

The Above result shows the typical integrity levels of the product in a fire situation. However, each joint situation will have different characteristics and fire rating. In general, it has been found that a greater depth of sealant will provide greater integrity and that the use of double seal i.e. sealant applied at both external faces of a joint will increase values further.