



FireJoint PU

One Part Fire Rated Intumescent Polyurethane Sealant

Features

- ▶ 4 Hour Fire Rating
- ▶ Acoustically Rated
- ▶ One Part
- ▶ Low Modulus $\pm 25\%$
- ▶ Exterior/Interior
- ▶ Easy to Apply
- ▶ Excellent durability
- ▶ AS 1530.4
- ▶ AS 4072.1
- ▶ Paintable

www.pasco.net.au

Product Description

Pasco **FireJoint PU** is a single component, fire-rated intumescent polyurethane sealant providing up to 4hrs of fire-rated protection. **FireJoint PU** is a UV stable, low-modulus class-A sealant exhibiting outstanding adhesion where movement is expected to be up to $\pm 25\%$. **FireJoint PU** provides up to 4 hours fire rating in construction joints and service penetrations, whilst creating an acoustically sealed joint.

Features & Benefits

- Fire rated up to 4 hours
- Acoustically rated
- UV Stable
- Excellent durability
- Non staining
- Low Modulus 50% ($\pm 25\%$)
- Interior/Exterior
- Superior adhesion
- Paintable*
- Anti-fungal properties

Uses

- Sealing construction and expansion joints
- Sealing joints in pre-cast panels
- Sealing joints and penetrations in acoustic partitions and walls.
- Hollow concrete block walls
- Insitu Concrete floors and walls
- Pipe penetrations
- Rendered masonry
- Perimeter sealing of door and window frames
- Fire rating of cable tray penetrations
- Plasterboard (Fire rated and/or acoustic rated)
- Fiber cement sheet (Fire rated and/or acoustic rated)
- Applications requiring acoustic properties or STC rating*

Testing

Tested and approved for use in Australia in accordance to:

- AS1530.4
- AS4072.1
- ASTM C920

Application Instructions

Prior to application, please read Safety Data Sheet.

Substrate Preparation

All surfaces must be clean, dry, sound and free from dust, oil, rust, old sealant or any other contamination. Avoid contamination of waterproofing, form release and curing agents.



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Joint Design

Closed cell polyethylene backing rod shall be used to control the depth of the joint sealant application to the recommended thickness. Correct joint design is necessary to ensure **FireJoint PU** performs to its maximum movement capability and provide the appropriate fire rating. The size of the closed cell backing rod used shall allow for 25% compression when inserted into the joint.

Joint Width	Joint Depth
6mm to 10mm	Equal to joint width
10mm to 20mm	10mm
20mm to 50mm	Half of joint width

Coverage

Meters per 600ml sausage (approx.)

Joint Size D x W	10x10mm	10x20mm	20x40mm	25x50mm
600ml Sausage	6m	3m	0.75m	0.5m

Priming

Priming of all surfaces is recommended to achieve stated performance properties.

Porous substrates:

Pasco **Aquaprime PU** Primer is recommended to achieve maximum performance on porous substrates.

Porous substrates such as vertical expansion joints in concrete or masonry structures may not require priming if clean, dry and uncontaminated.

Non-porous substrates:

Pasco **Aquaprime PU** Metal Primer is recommended for metal substrates.

Pasco **Aquaprime PVC** Primer is recommended for PVC and other plastics.

Please refer to the Technical Data Sheets for further information.

Painting

FireJoint PU can be painted over after a minimum of 7 days. A test is recommended to ensure compatibility of any coating with Pasco **FireJoint PU**.

Solvent based paints or other coatings may cause the surface of the sealant to react creating a tacky surface. Discolouring may occur in direct contact with cured Pasco **FireJoint PU**. Surface coatings may crack and craze as a result of cyclical movement.

Application

FireJoint PU sealant shall be installed using conventional caulking tools, materials and methods. Immediately after application, tooling is recommended to ensure firm, full contact of sealant with the inner faces of the joint and backing material. Dry tooling is preferred using a tool with a convex shape to ensure correct sealant profile.

Immediately remove all excess sealant and smears adjacent to the joint as work progresses. Ensure maximum adhesion to bond face and depth to width ratio as per joint guide.

Cleaning

Cured material can be removed by mechanical means only. Clean off uncured material and equipment immediately after use using Pasco Aquawipes to remove sealant from skin.

Shelf Life

12 months from manufacture when stored in original unopened container. Store in cool, dry, conditions out of direct sunlight (between 5°C to 30°C).

VOC INFORMATION

64g/litre



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Limitations

Not recommended for:

- Chlorinated water
- Do not use Methylated Spirits or Turpentine.
- Substrates containing bitumen
- Constant water immersion
- Glazing applications
- Green concrete or cement based substrates cured less than 28 days from initial pour.
- Wet tooling, such as soapy water
- Application less than 6mm in width and depth
- Do not expose to water and/or alcohol before full cure.
- Use in trafficable joints greater than 10mm.

Firecryl Technical Specifications		
Property	Test Method	Result
Colour		Grey
Fire Rating	AS 1530.4-2014 AS 4072.1-2005	Up to 4 Hrs
Viscosity		Non-sag
Cure Method		Moisture Curing
Service Temp		-40°C to 70°C
Application Temp		5°C to 35°C
External Applications	ASTM C.920 Type S, Grade NS, Class 25	Approved
Resistance to fungal growth	AS1157-1972	Approved
Tack Free Time		From 6 Hours
Cure Rate		2mm/24Hrs on porous substrates
Full Cure		7 Days on Porous substrates
Elongation at Break		> 900%
Total Joint Movement		± 25%
Max Joint Width		50mm



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HEALTH AND SAFETY

POISON KEEP OUT OF REACH OF CHILDREN. READ SAFETY DIRECTIONS BEFORE OPENING OR USING. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

Keep out of reach of children. Read label before use. Avoid breathing dust, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves, eye/face protection and suitable respirator. In case of inadequate ventilation, wear respiratory protection.

Fire

If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Spills & Leaks

Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment. Absorb with sand or soil. Collect and seal in properly labelled drums. Dispose of contents/container in accordance with local, regional, national and international regulations.

First Aid

Swallowed: Do NOT induce vomiting. Give a glass of water. Seek medical advice.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs seek medical advice.

Inhaled: Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical advice.

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.

Pasco Construction Solutions Pty Ltd warrants its products to be free of defects and faulty manufacture and are sold subject to its standard terms and conditions of sale, which are available upon request. All endeavors have been made to ensure the information provided in this technical data sheet is accurate and correct, however as the use of this material is beyond the suppliers control, liability is limited to replacement of material proven faulty. It is the responsibility of the purchaser to ensure that the product is suitable for the specific application and that it is applied in accordance with the suppliers recommendations.



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