



# Firecryl

## One-Part Acrylic Fire Rated Sealant

### Features

- ▶ Up To 4 Hour Fire Rating
- ▶ Acoustically Rated
- ▶ Non-Toxic
- ▶ One Part
- ▶ Flexible  $\pm 25\%$
- ▶ Easy to Apply
- ▶ Water clean-up
- ▶ AS 1530.4
- ▶ Easy to tool
- ▶ Paintable

[www.pasco.net.au](http://www.pasco.net.au)

### Product Description

Pasco **Firecryl** is an acrylic fire rated and acoustically rated sealant that provides up to 4 hours fire rating in construction joints and service penetrations, whilst creating an acoustically sealed joint. Exhibiting outstanding adhesion and flexibility, **Firecryl** is suitable for interior/exterior\*\* use where movement is expected to be up to  $\pm 25\%$ .

### Features & Benefits

- Fire rated up to 4 hours
- Acoustically rated
- One-Part
- Low odour
- Easy to apply
- Easy to tool
- Flexible  $\pm 25\%$
- Non-toxic
- Interior use
- Superior adhesion
- Paintable
- Water clean-up

### 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
- Concrete floors and walls
- Pipe penetrations
- Perimeter sealing of door and window frames
- Fire rating of cable tray penetrations
- Used as a putty for filling holes in fire rated substrates
- Applications requiring acoustic properties or STC rating\*
- For external applications, see **Pasco FireJointPU**

\*As tested on plasterboard

### Standards

**Firecryl** has been tested and approved in accordance to:

- AS1530.4
- AS4072.1
- Firecryl also achieves an acoustic rating of STC 67

### Application Instructions

#### 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

Open 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 **Firecryl** performs to its maximum movement capability and provide the appropriate fire-rating.

The size of the open 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 40mm	Half of joint width

#### Coverage

Meters per 600ml sausage (approx.)

		Joint Width (mm)						
		6	8	10	12	15	20	25
Joint Depth	6mm	16.6	12.6	10	8.4	5.7	5	4
	8mm	12.6	9.4	7.6	6.2	5	3.7	3
	10mm	10	7.5	6	5	4	3	2
	12mm	8.4	6.2	5	4.2	3.3	2.5	1.9

#### Application

**Firecryl** 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.

Remove immediately all excess sealant and smears adjacent to the joint using water as work progresses.

#### Curing

Do not apply when rain exposure is likely within 24 hours of application. Full cure is achieved after 7 days at 25°C and 50% RH. Curing time is dependant on temperature and size of joint.

#### Painting

**Firecryl** is paintable after full cure is achieved.

#### Precautions

- Do not apply below if surface temperature is below 5°C or above 35°C.
- Not to be used for joints subjected to temporary or permanent water immersion.
- **Firecryl** may be affected by water before or during curing. **Firecryl** should not be applied in areas of high humidity or the presence of free water during application or initial cure.

#### Packaging

**Firecryl** is available in 600ml sausages, 15 sausages per carton.

#### Colour

**Firecryl** is available in Grey.

#### Shelf Life

18 months minimum, when stored in cool dry conditions below 25°C.



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### Health and Safety

Keep out of reach of children. Wear suitable protective clothing, gloves and eye/face protection. Uncured sealant may cause skin, eye and respiratory system irritation. Use only in well ventilated areas.

In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor or Poisons Information Centre (**Ph 13 11 26**). In case of skin contact, wash affected area with hand cleaner followed by soap and water.

Safety Data Sheets must be read and understood prior to using **Firecryl**.

Firecryl Technical Specifications		
Property	Standard	Result
Max Joint movement		±25%
Fire Rating	AS1530.4 AS4072.1	Upto 4 hrs
STC Rating *		60
VOC g/Lt		36
Max Joint Width	ASTM C794	40mm
Service Temp		-20°C to 90°C
Application Temp		5°C to 35°C
Tooling Time		Up to 15 min @25C
Stain & Colour Change		None

\* Rating dependent on overall wall system configuration.

*Pasco Construction Solutions Pty Ltd offers its' products for sale, 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 supplier's 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 supplier's recommendations.*



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