



# PascoFlex PU25

## One-Part Polyurethane Sealant

### Features

- ▶ One Part
- ▶ Flexible
- ▶ ± 25% Movement
- ▶ Superior Adhesion
- ▶ Fast Curing
- ▶ Exterior/Interior
- ▶ Easy to Apply
- ▶ ASTM C-920
- ▶ Paintable
- ▶ Mildew Resistant

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

### Product Description

**PascoFlex PU25** polyurethane sealant is a premium grade one-part polyurethane sealant that cures to form a tough and flexible weather-tight seal, capable of accommodating 50% (±25%) joint movement.

### Features & Benefits

- One part
- Fast curing
- Superior adhesion
- Paintable
- Easy to apply
- Mould resistant
- Easy to tool
- ASTM C-920
- Interior
- External

### Uses

#### Sealing of:

- Construction and expansion joints
- Curtain walls
- Joints in pre-cast panels
- Hollow concrete block walls
- Masonry brick walls
- Door and window frames
- Building claddings
- Suitable as a general purpose adhesive

#### Provides excellent primerless adhesion to:

- Concrete
- Cement sheet
- Brick
- Steel
- Ceramic tiles
- Aluminium
- Timber
- Most plastics\*

\*Test surface area for compatibility prior to application.

### 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.

#### 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 sealants do not split or tear. 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 30mm	Half of joint width



## PascoFlex PU25

### One-Part Polyurethane Sealant

#### Coverage

Meters per 600ml sausage (approx.)

Joint Depth	Joint Width (mm)							
	6	8	10	12	15	20	25	
6mm	16.6	12.6	10	8.4	5.7	5	4	
8mm	12.6	9.4	7.6	6.2	5	3.76	3	
10mm	10	7.5	6	5	4	3	2	
12mm	8.4	6.2	5	4.2	3.34	2.5	1.9	

#### Application

**PascoFlex PU25** polyurethane 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.

#### Curing

Curing rate at 2-3mm per day. Curing time is dependant on temperature and size of joint.

#### Painting

**PascoFlex PU25** polyurethane sealant is paintable after full cure is achieved.

#### Precautions

- Do not apply below 5°C or if temperature is above 35°C.
- Not to be used for joints subjected to temporary or permanent immersion in water.
- Ensure backing rod is dry and joint is capped prior to application as excessive moisture will inhibit the curing process.

#### Packaging

**PascoFlex PU25** polyurethane sealant is available in 600ml sausages, 15 sausages per carton.

#### Colour

**PascoFlex PU25** polyurethane sealant is available in White, Off White, Sahara Grey, Beige Grey, Black, Sandstone, Grey, Redwood, Bluestone & Bronze.

#### Clean Up

Tools and excess sealant can be cleaned with **Pasco Xylene**. Cured material may be removed by mechanical means.

#### Shelf Life

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



# PascoFlex PU25

## One-Part Polyurethane Sealant

### 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.

Material Safety Data Sheets must be read and understood prior to using product.

PascoFlex PU25 Technical Specifications		
Property	Test Method	Result
Specify Gravity	ASTM D1475	1.45 gr/cm <sup>3</sup>
Hardness	ASTM D2240	30 Shore A
Elongation @ break	ASTM D-412	> 700%
Tensile Strength	ASTM D-412	2.5Kp/cm <sup>3</sup> @ 50% elongation
		3-3.5Kp/cm <sup>3</sup> @ 100% elongation
Service temp. range		-40°C to +80°C
Application temperature		5°C to 40°C
Tooling time		Approx. 10 min.
Tack free time		2 hours @ 25°C and 55% RH
Cure rate		2-3mm/day
Adhesion to concrete	ASTM D4541	>20kg/cm <sup>2</sup> >2N/mm <sup>2</sup>
Thermal resistance 100 days @ 80°C	EOTA TR011	Passed
QUV accelerated weathering test (4hr UV, at 60°C (UVB Lamps & 4hr COND at 50°C	ASTM G53	Passed after 2000 hours

*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.*



241 Ingles Street  
Port Melbourne, VIC 3207  
Ph: (03) 9429 9111

4/14 Tennyson Road  
Gladesville, NSW 2111  
Ph: (02) 9817 4441