

Technical Data Sheet

Adheseal PU25 FC

Elastomeric Fast Curing Polyurethane Joint Sealant

Tested to AS/NZS 4020:2005 for use with potable water

Tested to AS/NZS 1530.3-199 Ignition / heat / flame / smoke

Meets Spec. ASTM C-920 & SNJF Class 1 Elastomeric

Adheseal

The Adhesive and Sealant Specialists

Description

Adheseal PU25 FC is a single component moisture curing polyurethane construction sealant.

Adheseal PU25 FC is tough, durable, mould resistant and has good chemical resistance.

Uses

Perimeter sealing of windows, Curtain Walls, Masonry Joints, Expansion joints in precast / tilt up panels. Tile joints in walls & floors. Metal cladding, Pavement Joints, Car parks, Driveways.

General Construction sealant. Adhesive for light weight components.

Advantages

- Highly Flexible
- Fast curing
- Paintable
- Tear resistant
- Excellent adhesion to most common building materials

Joint Preparation

Care must be taken to ensure the substrates are sound, clean and free from contamination.

If necessary clean with Adheseal cleaning solvent.

Priming

Priming is not normally required for most substrates, however for suspect surfaces adhesion testing is recommended.

When required apply the correct Primer and allow to dry. (It is highly recommended to prime floor joints). See Primer Selection Chart.

Backer Rod

Where required use Adhefoam open cell backer rod. Closed cell backer rod is also suitable but care must be taken not to damage the outer skin of the rod as this can cause gassing (bubbles) in the sealant. When the depth of the joint does not allow for backer rod a bond breaker tape is required to prevent three sided adhesion.

Application

Fill the prepared joint completely taking care not to entrap air (entrapped air may cause bubbles in the sealant). Dry tool immediately before the sealant skins. Tooling time is a minimum of 10 minutes depending on temperature and humidity.

Limitations

Not suitable for internal swimming pool

Physical Properties:

Type of product	Polyurethane
Curing system	Moisture cured
Density (specific gravity)	1.2
Movement Capability	+/-25%
Shore A hardness	25
Chemical Resistance	Excellent to water, detergent solutions, diluted acids & alkalies, petrol and oil for short periods.
Application temperature	+5°C to +40°C
Service temperature	-30°C to +90°C
Storage: Cool Dry between	10°C and 35°C
Tack Free Time	2hrs @ 23°C & 60% RH
Cure Time	3mm/24 hrs
Skin Time	30-40 min
VOC	(Californian South Coast air Quality Management Rule 1168) 62gm/Lt
Shelf life	12 months in original packaging
Clean up	Uncured material can be removed using industrial strength solvent such as Xylene or mineral turps
Packaging	600ml sausage / 20 per carton, 310ml Cartridge / 12 per Carton
Colours	Grey, White, Off Grey, Black
Test certificates to AS:	4020:2005 for use with potable water
Tensile Strength ISO 37	1.1 Mpa
Tear Strength ISO 34	6.5N/mm

Safety:

This product is not classified as hazardous according to Work safe Australia however skin irritation and sensitisation may occur in sensitive individuals. Please consult M.S.D.S. for this product for further information.

Adequate Tests:

The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your requirements.

Guarantee / Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.