

Technical Data Sheet

Adheseal PU-15

Low Modulus Elastomeric Polyurethane Joint Sealant

Greenstar Rated as per Californian Bureau of Air Quality Management Rule 1168 (VOC 64gm/lt)

Adheseal
The Adhesive and Sealant Specialists

Description

Adheseal PU15 is a low modulus single component moisture curing polyurethane construction sealant. Adheseal PU15 is tough durable 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, 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 long term water immersion. Not suitable for internal swimming pool applications.

Colours

Grey. Black White
 Other colours are available in batch quantities with extended lead times

Painting

Adheseal PU15 is paintable with most commonly available paints. Testing is recommended.

Adheseal PU15 must be fully cured before paint is applied. Failure to do this can result in retarding of the curing of the PU sealant and the paint topcoat resulting in a tacky surface.

Physical Properties:

Type of product	Polyurethane
Curing system	Moisture
Cure Time	2mm / 24 hrs
Density (specific gravity)	1.15
Shore A Hardness	15
Elongation at break	+/- 25%
Application temperature	+5°C to +40°C
Storage: Cool Dry between	10°C and 35°C
Service Temp	-30°C to +80°C
Tack Free Time	4hrs @ 23°C & 60% RH
VOC	64gm/lit (California South coast air quality management rule 1168)
Modulus Elongation	0.2 MPa @ 100% according to ISO 8339
Shelf life	12 month in original packaging
Clean up	Uncured material can be removed using industrial strength solvent such as Xylol or mineral turps.
Resistance to UV Radiation	GOOD
Test certificates	Meets Spec. SNJF Class 1 Elastomeric
Chemical Resistance	Excellent to water, detergent solutions, Moderate diluted acids & alkalis, petrol & oil for short periods.

Packaging

600ml Sausage 20 per carton

Safety

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

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.

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.