

Adheseal PU50

Structural Elastomeric Polyurethane Adhesive / Sealant

VOC (Californian South Coast Air Quality Management Rule 1168) 87gm/Lt

Adheseal
The Adhesive and Sealant Specialists

Description

Adheseal PU 50 is high viscosity moisture curing polyurethane construction adhesive sealant. Adheseal PU is tough durable and has good mechanical and abrasion resistance. Due to its high shore A hardness it is suitable as an anti pick sealant and in boat decks.

Uses

Adheseal PU 50 is specifically suited for structural bonding of construction materials especially where a high strength flexible bond is required. It is suitable for use in the fabrication of curtain walls, panels facades and has good adhesion to most common construction materials such as glass, wood, aluminium, fibre-glass and composite materials.

Pick resistance makes it suitable for use in public buildings such as Schools, Prisons and other areas subject to picking.

Advantages

- Flexible Structural Bond
- Fast curing
- Paintable
- Tear resistant
- Pick Resistant
- Excellent green strength
- Excellent adhesion to most common building materials

Surface Preparation

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

If necessary clean with Adheseal cleaning solvent or Adhesion promoter.

Priming

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

When required apply the correct Adheseal Primer and allow to dry. See Primer Selection Chart.

Application

Be sure that surface preparation is thoroughly dry and solvent has totally evaporated off.

Using a hand or air gun apply the required bead of Adheseal PU 50 to the prepared substrate.

Place the component to be bonded firmly against the wet bead and apply pressure to ensure the required bond area is reached.

If tooling is required, dry tool immediately before the adhesive skins. Tooling time is a minimum of 10 minutes depending on temperature and humidity.

Limitations

Not suitable for internal swimming pool applications.

Physical Properties:

Type of product	Polyurethane Adhesive
Colours	Black, White, Grey
	@23°C & 65% RH
Working Time	20 min
Skinning Time	30 min
Cure Time	4mm / 24 hrs
Application Temp	5°C to 35°C
Service Temp	-40°C to +90°C
Chemical Resistance	Excellent to water, detergent solutions, diluted acids & alkalis, petrol and oil for short periods
Shore Hardness (ISO 868)	50
Modulus (ISO 37)	0.8 MPa acc
Elongation at break (ISO 8339)	80% acc
UV ray Resistance	Good
Density	1.17
Packaging	600ml Sausage
Cleaning	Uncured material can be removed using industrial strength solvent such as Xylol or mineral turps
Shelf Life	Minimum 12 months
Tensile Strength ISO 37	1.7Mpa
Tear Strength	12.0N/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.

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.