

Technical Data Sheet

Emfimastic PU60

Elastomeric Polyurethane Adhesive / Sealant

Description:

Emfimastic PU60-HV is high viscosity moisture curing polyurethane adhesive sealant. Emfimastic PU60-HV is tough durable and has good chemical resistance.

Uses:

Emfimastic PU60-HV 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 marine components, truck & bus panels and has good adhesion to most common construction materials such as glass, wood, aluminium, fibreglass and composite materials.

Advantages:

Flexible Structural Bond

Fast curing

Paintable

Tear resistant

Excellent green strength

Non Sag

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 adhesion testing is recommended. When required apply the correct Primer and allow to dry. See Primer Selection Chart.

Application:

Clean the substrate with a suitable cleaning solvent or adhesion promoter. AP1001 or 50A depending in the substrate.

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 Emfimastic PU60-HV 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 long term water immersion. Not suitable for internal swimming pool applications.

Colours:

White

Other colours are available in batch quantities with extended lead times

Adheseal

Properties:

Brookfield Viscosity-
HB type mobile 7 in mPas
at 5 tr/min 1,200,000
at 50 tr/min 340,000
5/50 thixotropic index about 3

@ 23 °C & 50% RH

Working time 20min
Skinning Time 30min
Cure Time 4mm / 24 hrs
Application Temp 5 °C to 40 °C
Service Temp -30 °C to +90 °C

Chemical Resistance Excellent to water,
detergent solutions, diluted acids &
alkalis, petrol & oil for short periods.

(Test ASTM D412)
Shore hardness 55
Modulus at breaking point 300 N/cm²
Elongation at break >600%

(Test NF T 76-107)
Shear resistance 150 N/cm²

(Test DIN 53515)
Tear Resistance 7 N/cm

Packaging:

600ml Sausage 20 per carton

Cleaning:

Uncured material can be removed using
industrial strength solvent such as
Xylol or mineral turps.

Shelf Life:

Minimum 9 months

Safety:

This product is not classified as hazardous according to Worksafe 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 specifications. 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 recommendations and suggestions 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.

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