

# Adheseal

Technical Data Sheet

## **Emfimastic MS40**

MS polymer based elastomeric adhesive/sealant

### **Description:**

EMFIMASTIC MS40 is a medium modulus MS polymer based elastomeric sealant. This product is odorless and does not contain isocyanate. It rapidly cures under the influence of air and substrate humidity to turn into a flexible and long-lasting seam. It has a very good primerless adhesion to most traditional building materials.

### **Uses:**

EMFIMASTIC MS40 is suitable for heavy and light pre-cast panels expansion joints. It is particularly suitable for bonding and sealing PVC joinery.

### **Advantages:**

**Excellent Adhesion**  
**Excellent UV Resistance**  
**No Isocyanate**

### **Paintability**

Water-based paints: Yes

Solvent-based paints: Testing required.

### **PRECAUTIONS FOR USE**

Before using the product, read the material safety data sheet.

In order to develop its full mechanical properties, the product must be applied at a temperature between +5°C and +35°C.

It must be applied on substrates that are clean, dry and free from oil, grease or dust.

### **INSTRUCTIONS FOR USE**

#### **Substrate preparation:**

The substrates must be clean, even, dry, free of dust, grease and any contaminating agents that could harm bonding. If they have to be cleaned up, use alcohol solvents or MEK in complying with local regulations. Check the compatibility of the solvents with the substrates. Sand metallic surfaces if necessary, wipe again and let dry. It is recommended to clean concrete with a metallic brush, and to degrease PVC, glass and aluminium with a non-greasy solvent such as acetone.

*Note: when using solvents, keep away from all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier of this type of product.*

#### **Application:**

EMFIMASTIC MS40 shall be applied with a manual or pneumatic caulking gun on dry, clean and free of grease substrates between +5 and +35°C. After extrusion, each seam will have to be squeezed onto the substrate edges and smoothed with a damp plastering knife or sealing stick. Do not apply the sealant below +5°C. In case of application by cold weather, warm up the cartridges at 20°C before use. All traces of oil, grease and loose paints or coatings must be systematically removed beforehand.

### **Limitations:**

Not suitable for long term water immersion.

Not suitable for internal swimming pool applications.

### **Colours:**

Black, Grey Beige

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## Properties:

Colour	White, Grey
Density	1.65 ± 0.05
Consistency	Pasty
Sagging	No (ISO 7390)
Skin formation time at 23°C and 50% RH	50 +/- 10min
Cure rate at 23°C and 50% RH	3 mm per 24h
Shore A hardness	>30
Temperature resistance	-40°C to +90°C
Elongation at break (ISO 37)	>300%
Modulus at 100% elongation	0.5 MPa (ISO 37)
Application temperature	+5°C to +35°C
Resistance to UV radiation	Excellent
Water & Spray resistance	Excellent
Resistance dilute acids	Good
Paintable	Yes
Water based	Yes
Solvent Based	Test

## 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.

## Packaging:

290ml Cartridges  
600ml sausage

## Cleaning:

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

## Shelf Life:

- Storage temp : Between +5°C and +25°C.
- Shelf life : 12 months in hermetically sealed original packaging.

## 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.

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