Revised October 2021

Technical Data Sheet

Hi-Power (X'Traseal MS609)

Structural High Strength Hybrid Adhesive

Adheseal The Adhesive and Sealant Specialists

Description

Adheseal Hi-Power is a one component elastomeric hybrid adhesive/ sealant with high initial strength.
Curing is under the effect of moisture present in the air or substrate to form a flexible and resistant bond.

Uses

Hi-Power can be used for bonding different materials likely to be submitted to vibrations or deformation in the building or industrial applications.
Hi-Power has has excellent adhesion to most common construction materials including ceramic, plaster, glass, wood, PVC, painted surfaces, most metals, polystyrene, stone polyester, epoxy etc.
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Application

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with MEK, alcohol or ethanol.
It is recommended that adhesion tests be carried out to determine the suitability of the product.
Use appropriate primer if required.
Hi-Power can be applied by pneumatic, cordless or hand gun.
Use a triangular nozzle in beads of 5 to 10cm apart according to the weight of the item to be applied.
It is possible to apply heavy materials vertically without mechanical holding. However for heavier elements, mechanical holding may be required until the adhesive has cured sufficiently.

Primers

Hi-Power has good adhesion to most common building materials without the use of a primer. (Testing is highly recommended)
If priming is required use Primer 2001 on porous surfaces and Primer 50A on non-porous surfaces.

Cleaning

Uncured sealant can be cleaned by use of Mek or Toluene.
Cured sealant can be cleaned by use of mechanical means or sealant remover.

Advantages

- Excellent resistance to UV radiation.
- High initial tack
- Excellent adhesion
- Does not sag
- Contains no solvents
- Contains no Isocyanate
- Paintable
- Adheres to damp surfaces
- Non staining

Repairs

Hi-Power will adhere to itself once clean. It may be necessary to cut the surface off to form a fresh and clean surface.

Limitations

Do not use in closed rooms. Do not expose to thermal, mechanical or chemical influences before complete vulcanisation. On polyacrylate and polycarbonate, structural glazing: see technical service department. Avoid Contact with uncured polyurethanes during curing.

Safety

Consult our current Safety Data Sheet.

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Physical Properties:

Type of product	Hybrid Polymer
Curing system	Moisture cured
Density (specific gravity) ASTM D 1475	1.57 +/- 0.05
Consistency	Thick Paste
Sagging	None
Skin time at 23˚C and 50% RH	10 to 30 min
Cure rate at 23˚C and 50% RH	2 mm per 24hr
Shore A Hardness (ISO 868) (3 sec) ASTM D2240	50 after 14 days
Temp Resistance	-40˚C to + 100˚C
Storage Temperature	5°c to 30°c
Application Temperature	+ 5˚C to + 40˚C
VOC	38 grams per litre
Shelf life	9 months from DOM
Elongation at Break ASTM D412	200%
Colours	White
Paintability	Yes
Tensile Strength at Break ASTM D412	1.02 Mpa
Tear Strength at Break ASTM D412	0.89 Mpa
Lap Shear Strength ASTM C961	1.1 Mpa
Wet Strength	Up to 20kg

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.

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