



MOHM CHEMICAL SDN. BHD. (Co.No.276851-U)
MCX MARKETING SDN. BHD. (Co.No.363532-T)

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TECHNICAL DATA SHEET

x'traseal® MS-601 ADVANCED POLYMER ADHESIVE/ SEALANT

Description:

x'traseal® MS-601 is based upon **Hybrid Silyl Modified Polyether Technology**. It is suitable in wide range of industrial applications and it has excellent primerless adhesion to various types of substrates of dissimilar porosity, and surface textures. It also can be over painted with most of the types of paints.

MS-601 is a technology that combines the unique features of Silicone and Polyurethane Sealants. It is a moisture cure system adhesive sealant and "NON" bubbling when apply in high humidity or to moist substrates. It is not suitable for structural glazing.

Features

- High mechanical bonding strength
- Solvent, Isocyanate and PVC Free
- Neutral, odourless and fast curing
- Can be applied on wet surfaces
- Internal and External
- Environment friendly
- Excellent UV and weather resistance
- Non-yellowing & non-staining

Applications:

Elastic Bonding and Sealing for :-

- | | |
|----------------|-----------------|
| ▪ Bus | ▪ Flooring |
| ▪ Train | ▪ Metal frames |
| ▪ Trailers | ▪ Natural stone |
| ▪ Caravan | ▪ Aluminium |
| ▪ Yacht | ▪ Concrete |
| ▪ Construction | ▪ Fibre glass |

Joint Design:

The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.

Generally calculation of the width of MS-601 sealant bead should be computed on the basis of a maximum $\pm 25\%$

Compression and extension capability minimum bead size should not be less than 3mm to accommodate movement. Design joint depth of which ratio width becomes 0.5 to 1.

Suitable joint depth vs width:

6mm x 6mm
8mm x 12mm
10mm x 20mm



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- * Joint size minimum 3mm x 3mm.
- * Joint size maximum 30mm.

Directions:

- ◆ Substrates must be free from grease. Remove all oil, grease, detergents and loose material.
- ◆ Cut tip off cartridge. Cut nozzle to desired size at 45° angle. Screw nozzle onto cartridge. Insert cartridge into caulking gun.
- ◆ Push sealant ahead for uniform bead
- ◆ Clean off excess sealant with M.E.K. or Toluene before dry.

Curing Time:

MS-601 will skin forming / tack free in approximately 30 minutes and it will cure to a depth of 9mm in 7 days.

Specification:

Curing System	Neutral
Appearance	Non-Sagging Paste
Smell	Odourless
Specific Gravity	1.38 +/- 0.05
Skin Forming	30 mins
Hardness (Shore A)	30
Elongation at Break (ASTM D412)	>500%
Tensile Strength at Break (ASTM D412)	2.0 MPa
Modulus at 100% (ASTM D412)	0.5 MPa
Application Temp.	5°C to 40°C
Service Temp.	-40°C to 100°C
Lap Shear Strength (Al. to Al.)	3.0 MPa
Shelf Life	9 months

Caution:

Uncured sealant may cause skin, eye and respiratory system irritation.

Use only in well ventilated areas.

Use appropriate personal protection to avoid contact with skin and eyes.

In case of eye contact or irritation, flush eye immediately with running water for 15 minutes and get medical attention.

In case of skin contact, wash affected areas with hand cleaner followed by soap in running water. For further health and safety information consult the current material safety data sheet.