



# MS-609

## MS ADVANCED POLYMER SEALANT



# x'traseal®

## TECHNICAL DATA SHEET

REV: 07

Date: 25 April 2024

### DESCRIPTION

**x'traseal®** MS-609 is a hybrid silyl modified polyether technology based high grip one component strong adhesive. X-grip is suitable for direct bonding on a wide range of heavy construction materials without support. That is why support of the adhesive assembly is not necessary in general. X-grip has high performance mechanical properties and combines high stiffness with high bond strength, hence is recommended for bonding in building and construction industry.

### FEATURES

- ◆ High performance mechanical properties
- ◆ Extremely fast grip
- ◆ Excellent color stability & UV resistance
- ◆ Does not contain solvent, isocyanate, acid and silicone oil
- ◆ Non-bleeding and crack resistant
- ◆ No visible stain even on porous substrate
- ◆ Can be applied on moist surface
- ◆ No bubble formation
- ◆ Paintable & environment friendly
- ◆ External & internal use
- ◆ Fungus is not easily grow on adhesive

### USES

MS-609 is specially developed as a universal adhesive for gluing of mirror, assembly of threshold, skirting board, stripes, decorative wall, panel, and porcelain materials. MS-609 is also applicable for coated metal, stainless steel, copper, zinc, polyester panel, HPL panels, polystyrene, polycarbonate, UPVC, epoxy, finished wood and etc.

*Due to a large variety of different coatings and substrates, we recommend preliminary compatibility tests prior to application to achieve desirable results*

### APPLICATION

Substrates must be clean, dry and free from grease. Remove all dirt, oil, grease, detergents and loose material.

- Cut tip off cartridge. Cut nozzle to desired size at 45° angle. Screw nozzle onto cartridge. Place cartridge into caulking gun.
- Apply the adhesive onto substrates.
- Bring the materials into position and press well to make sure that the thickness of the adhesive is minimum 2-3 mm between material and surface.
- Because of the high initial strength support during curing is usually not necessary

### CURING TIME

MS-609 will skin forming in approximately 5 minutes and tack free in approximately 20 minutes and it will cure to a depth of 10 mm in 7 days. Longer curing time may be necessary in dry and low humidity area.



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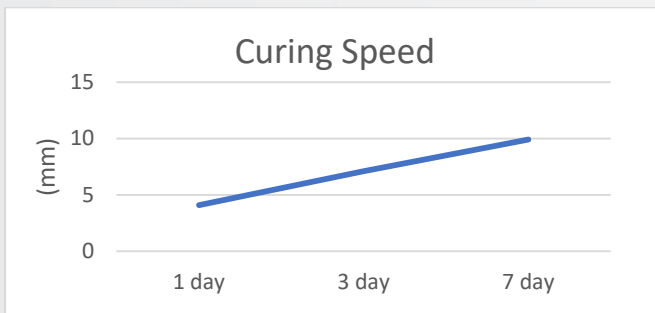


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### PAINTABILITY

MS-609 is paintable with water based paints, however due to large number of paints and varnishes available we strongly suggest a compatibility test before application. Paints based on alkyd resins may have extended drying time.

**Note: MS-609 has larger movement capability than a normal paint film. Cracking of paint film may occur with movement in joint.**

### CHEMICAL RESISTANCE

Good resistance to water, diluted inorganic acids and alkalis.

Poor resistance to concentrated acids and alkaline solutions, organic solvents, and halogenated hydrocarbons.

### CLEAN UP

Excess adhesive can be removed with mineral spirit and cleaning solvent before cured. After curing, MS-609 may only be removed mechanically.

### LIMITATIONS

MS-609 is not suitable for the following applications:

- PE, PP, PTFE, plastics containing softeners, and bituminous substrates
- Structural glazing
- Totally confined spaces where there is no atmospheric humidity, which is needed for proper curing
- Under water applications
- Heavy trafficable surface / joints
- Exposure to aggressive solvents or chemicals
- Food contact

### SPECIFICATION

Properties	Value	Method
Curing system	Neutral	-
Appearance	Non-sagging paste	Visual
Smell	Odorless	Visual



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Specific Gravity	1.57 +/- 0.02	ASTM D1475
Hardness (shore A)	50 approx.	ASTM D2240
Elongation at Break	200% approx.	ASTM D412
Tensile at Break	1.02 mPa	ASTM D412
Secant Modulus @ 23°C at 100% Elongation	0.89 mPa	ASTM D412
Application Temp.	5°C to 40°C	-
Service Temp.	-40°C to 100°C	-
Lap Shear Strength (AL. To AL.)	1.10 mPa	ASTM C961

### PACKAGING

290 ml cartridges / 12 per carton

### COLOR

White, other colors upon request.

### SHELF LIFE

9 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +30°C.

### CAUTION

Read and understand material safety data sheet of this product before handling or using.

*This information is provided in good faith and is believed accurate based on a review of current composition and information supplied by vendors. No warranty is expressed or implied. Liability is expressly disclaimed.*