

PU-551

AUTO GLASS SEALANT

DESCRIPTION:

x'traseal® PU-551 Auto Glass Sealant is a one part, high viscosity, polyurethane based sealant which cures by the action of air moisture and change the product from a pasty to an elastomeric mastic. It offers excellent adhesion on glass and metal. It is most suitable for bonding windshield in the automotive industry.

FEATURES:

- ◆ High modulus & tensile strength
- ◆ Excellent adhesion on glass and metal surface
- ◆ Outstanding durability
- ◆ Permanently flexible
- ◆ Weatherproof
- ◆ Good UV resistance

USES:

Sealing for automotive windscreen, windows and scuttles

Sealing in automotive, caravan, ship building and railway industry

WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS

NOT RECOMMENDED FOR:

Avoid exposure to high level of chlorine.

Avoid contact with alcohol and other solvent cleaners during cure.

Do not cure in the presence of curing silicone sealants.

Do not apply when a moisture vapour transmission condition exists at time of application, as this can cause bubbling within the sealant.

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.

Sealant width should never be less than sealant depth.

Generally calculation of the width of pu sealant bead should be computed on the basis of wide movement accommodation of $\pm 25\%$.

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

Joint depth maximum 15mm.

APPLICATION:

- Surface must be clean and dry. Remove all dirt, oil, grease, detergents and loose material.
- Mask smooth surface to simplify clean up.
- Cut tip off cartridge. Cut nozzle to desired size at 45° angle. Insert cartridge into caulking gun.
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- Push sealant ahead for uniform bead.
- Tool within 15 minutes with joint nail or putty knife.
- Clean off excess sealant with M.E.K. or toluene before dry
- Do not apply the sealant below +5°C. Warm up the cartridges or sausage at 20°C if application by cold weather

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SPECIFICATION:

Type	Thixotropic paste
Color	Black
Odour	Light
Appearance	Non-sagging paste
Density	1.35 ± 0.05 g/ml
Shore a hardness	50 ± 5
Tensile strenght	≥ 4.0mpa
Tensile-shear strenght	≥ 2.5mpa
Elongation at break	≥ 400%
Tack free time	20 – 60 minutes
Cure rate	≥3mm per day
Volatile content	≤3 %
Application temperature	+5°C to +35°C
Shelf life	9 months

STORAGE:

Material should be stored in a dry and cool place between +5°C TO +30°C.

CAUTION:

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

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