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TECHNICAL DATA SHEET

MS Polymer 72 Windshield Adhesive

Zettex Europe B.V.
Plaza 20, 4782 SK Moerdijk
The Netherlands
+31 (0)888-93 88 39
info@zettex.com
www.zettex.com

Product description
Zettex MS 72 Windshield is a flexible single part, sealing car window adhesive for permanent adhesion with very high holding power. The new MS Polymer technology combines the properties of traditional products such as polyurethane, silicones and acrylates. MS 72 is a solvent-free, green product. Zettex MS 72 has a drive away time without primer of 1 hour.

Material
MS Polymers

Advantages
- Durably elastic.
- High absorption of acoustic vibrations.
- Dries very fast.
- Very high resistance to UV radiation.
- Permanently elastic at temperatures between -40 and +120 °C
- Low electrical conductivity.
- Useable without primer.
- Even curing.
- No air bubble formation.
- Excellent chemical resistance.
- Isocyanate-, solvent- and silicone-free.

Application instructions
Zettex MS 72 can be easily applied using a hand or air gun at temperatures between +5 and +35°C. The speed of application can be accelerated by heating to a maximum of +70 °C. After the application of MS 72 the screen must be adhered within 15 minutes. A clean, dry and dust-free surface is required for good adhesion. Ceramic coated layers as well as closed surfaces such as aluminum, coated steel and polyester can be removed with Zettex Profireiniger. Tools can be cleaned, and other residues can be removed using Zettex Profireiniger. It is advised to first test the reaction of this cleaner on the surface.

Available form
- Tube 290 ml.
- Sausage 600 ml.
- Sausage 400 ml.

Colour
Black

Safety recommendations
The MSDS (Material Safety Data Sheet) must be carefully read before using MS 72. MSDS's are available on request.

Shelf life
Save in a place out of sunlight at a temperature between +5 °C and +30 °C. Can be stored for up to 12 months in unopened original packaging.

Certificates

Properties	Specifications
Material	Polymers
Curing method	Moisture
Specific gravity	Approx. 1.4 gr/ml
Skin formation time	Approx. 10 min (20°C/50 % R.H.)
Open time	< 15 min. (20°C/50 % R.H.)
Curing speed after 24 hours	Approx. 3 mm (20°C/50 % R.H.)
Shore A hardness	Approx. 65 (DIN 53505)
Volume change	>3 % (DIN 52451)
Green strength	Approx. 1800 Pa (Physica Rheometer MC100)
Electrical volume resistance	>10^11 Ωcm (DIN53482)
Tensile stress (100%)	Approx. 2.1. MPa (DIN53504/ISO37)
Elongation at break	Approx. 2.9. MPa (DIN53504/ISO 37)
Breaking strain	Approx. 225 % (DIN53504/ISO 37)
Shear stress	Approx. 2.5. MPa (DIN 53283/ASTM D1002)
Crack propagation	Approx. 13 N/mm (DIN 53515/ISO 34)
E-Modulus (10%)	Approx. 4.3 MPa (DIN53504/ISO37)
Solvent percentage	0%
Isocyanate percentage	0%
Temperature resistance	-40 to +120 °C
Temperature resistance	+180 °C (maximum ½ hours)
Application temperature	+5 to 35 °C
UV- and weather resistance	Very good