

TECHNICAL DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF THE PRODUCT BOSSEAL MS Windscreen polymer 290 ml
CODE 080040

2. DESCRIPTION

BOSSEAL MS Windscreen polymer is a high quality product for bonding and sealing cars' windcreens. It has a durable high viscosity and flexibility. It has a perfect grip on glass, metal and most materials without using a primer. Permanently elastic in a temperature range of -40°C to +90°C.

3. APPLICATIONS

- Elastic unions and sealings in e.g. bus, caravan- and trailer construction.
- Bonding of metals, glass and plastics.

4. FEATURES

- Free of solvent, isocyanate and PVC.
- Good UV-resistance and ageing properties.
- Permanently elastic in a temperature range of -40°C to +90°C.

5. ADHESION

In general MS Windscreen Polymer Bossauto adheres well without primer on clean, dry, dust and grease free substrates of aluminum, stainless steel, galvanized steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and teflon. In case of high adhesion demands, the use of an activator for MS is recommended. It is necessary to degrease and prepare the surface of the substrate.

6. METHOD OF USE

MS Windscreen Polymer Bossauto can be easily applied with a hand or air pressure gun at temperatures between +5°C and +35°C. It is not recommended to apply this product with an air gun without piston. In sealing applications, the product should be tooled or smoothed within 10 minutes (at 20°C/50% R.H.) with a spatula or putty knife, occasionally moistened with a soap solution.

Avoid soap solution penetrating between joint sides and sealant, because this will create loss of adhesion. In bonding applications, the substrates have to be assembled within 15 minutes (at 20°C/50% R.H.) after applying the product. In general, an adhesive thickness of 2mm is recommended. Cleaning tools or removing uncured residue of MS Windscreen Polymer Bossauto can be done with hand wipes.

7. TECHNICAL FEATURES

Basic material	Silyl Modified Polymer (SMP)
Curing method	Moisture
Specific gravity	ca. 1.5 g/ml
Skin forming time	ca. 15 min. (20°C/50% R.H.)
Open time	<15 min. (20°C/50% R.H.)
Curing speed after 24hr	ca. 3mm (20°C/50% R.H.)
Shore A hardness	ca. 57 (DIN 53505)
Volume change	<3% (DIN 52451)
Green strength	ca. 600 Pa (Physica Rheometer MC100) (Max. load which can be applied per m ² uncured adhesive without sagging)
Tensile stress (100%)	ca. 2.3 MPa (DIN 53504/ISO 37)
Tensile stress at break	ca. 2.7 MPa (DIN 53504/ISO 37)
Elongation at break	ca. 180% (DIN 53504/ISO 37)
Shear stress	ca. 2.1 MPa (DIN 53283/ASTM D1002) (Alu-Alu; adh. thickness 2mm, test speed 50 mm/min.)
Tear propagation	ca. 15 N/mm (DIN 53515/ISO 34) (Type C, test speed 500 mm/min.)
Solvent percentage:	0%
Isocyanate percentage	0%
Temperature resistance	-40°C till +90°C
Application temperature	+5°C till +35°C
UV and weather resistance	good
Colors (standard)	black
Packaging	290ml cartridges, other packaging on request.

8. STORAGE STABILITY

MS Windscreen Polymer Bossauto can be stored for 12 months in a closed (unopened) container in a dry place at temperatures between +5°C and +30°C. Occasionally, the lifespan of the product can be from up to 18 months if it is well stored.

The technical information is in accordance with our experience. We assure the quality of the product. However, the conditions of use are not under our control and we cannot assume any responsibility of the obtained results.