



DEKASYL MS-8

Windscreen adhesive

DEKASYL MS-8 is a MS-polymer based high modulus windscreen adhesive with a very high initial tack and fast strength build up. DEKASYL MS-8 has an excellent primerless adhesion on glass and windscreens with a ceramic frit and can be used to bond windscreens in motorhomes, cars, trucks, busses, etc. DEKASYL MS-8 can be used in the direct glazing aftermarket and has excellent adhesion to freshly cut (original used) PU- and MS based windscreen adhesives. Due to its very high initial tack clamping times can often be reduced or clamps are not needed anymore.

DEKASYL MS-8			
Art. No.	Size	Package	Color
32744 00	290 ml	Cartridge	Black
62719 32	600 ml	Foil bag	Black

Your advantages:

- Free from isocyanates, solvents, silicone and PVC
- Very high initial tack
- Fast strength build up and high modulus
- Very good adhesion on glass and glass with a ceramic frit without the use of a primer
- Excellent adhesion to freshly cut (original used) PU- and MS based windscreen adhesives
- Very good UV-resistance and ageing properties
- Very low conductivity
- Safe drive away time of 1 hour (according to FMVSS212 with double airbag)
- Permanent elastic within temperatures from -40°C till +100°C
- Short term resistance up to +200°C (10 minutes) in cured condition

DEKASYL MS-8 Windscreen adhesive

Technical Details

Product description

DEKASYL MS-8 is a MS-polymer based high modulus windscreen adhesive with a very high initial tack and fast strength build up. DEKASYL MS-8 has an excellent primerless adhesion on glass and windscreens with a ceramic frit and can be used to bond windscreens in motorhomes, cars, trucks, busses, etc. DEKASYL MS-8 can be used in the direct glazing aftermarket and has excellent adhesion to freshly cut (original used) PU- and MS based windscreen adhesives. Due to its very high initial tack clamping times can often be reduced or clamps are not needed anymore.

Anwendung

- Bonding of (new and aftermarket) windows in motorhomes, cars, trucks, busses, trains, etc.
- Elastic bondings in motorhome, bus-, train-, and truck construction.
- General bonding applications where a high initial tack is required.

How to use

DEKASYL MS-8 can be applied with a hand-held, battery-operated or air-operated gun at temperatures from +5°C to 35°C. It is recommended to use the V-nozzle for bonding applications. Depending on the bonding surface, material expansion and mechanical stresses, a layer of 2-6 mm is recommended. The greater the difference in thermal expansion, the thicker the adhesive layer should be. For further information on this, please contact DEKALIN. For bonding, the substrates must be assembled within 15 minutes (at 20°C/50% rel. humidity) after application of DEKASYL MS-8. The higher the temperature, the shorter the working time! At a temperature of 20°C and a relative humidity of 50 %, DEKASYL MS-8 can be painted with most industrial paints after only 15 minutes. The best possible adhesion of paint coats is generally achieved when the paint is applied within 4 hours after application of DEKASYL MS-8. Clean tools or remove uncured residues of DEKASYL MS-8 with a clean, colourless cloth soaked in DEKACLEAN ULTRA (it is recommended to check beforehand whether the surface is attacked by this cleaner).

Adhesion

In general, DEKASYL MS-8 adheres well without primer to clean, dry, dust- and grease-free substrates made of glass, ceramic screen-printed glass, aluminium, stainless steel, galvanised steel, zinc, copper, brass, powder-coated metal, most painted metal surfaces, various plastics, PVC, polyester (GRP), painted and varnished wood, etc. No adhesion without pre-treatment on polyethylene, polypropylene and Teflon®. It is recommended to clean the substrates with DEKACLEAN ULTRA. An adhesion test before application is recommended. If high adhesion is required in cases of high thermal or physical stress, especially in humid environments, the use of DEKAVATOR 22 NF is recommended. Important note: although DEKASYL MS-8 is UV stable, in applications with transparent substrates the adhesive should always be protected against UV radiation by means of a suitable black primer or a masking profile. For properties on substrates not mentioned above and further information please contact your Dekalin customer service directly.

Storage

DEKASYL MS-8 may be stored for 15 months in a closed (unopened) packaging in a dry place at temperature between +10°C and +30°C.

Safety precautions

Please consult our current material safety data sheet for further information.

Transport classification

Not applicable.

Technical Data

Colour (standard)	black
Base material	MS Polymer
Curing/setting	moisture
Specific density	approx. 1,4 kg / l
Skin formation time (20°C/50% R.H.)	approx. 10 min.
Open time (20°C/50%R.H.)	< 15 min.
Curing speed after 24 hrs (20°C/50%R.H.)	approx. 3,5 mm
Shore A hardness (DIN 53505)	approx. 58
Volume change (DIN 52451)	< 3%
Tensile stress (100%) (DIN 53504/ISO 37)	approx. 1,7 MPa
Tensile stress at break (DIN 53504/ISO 37)	approx. 3,3 MPa
Elongation at break (DIN 53504/ISO 37)	approx. 300%
Shear stress (DIN 53283/ASTM D1002)	approx. 2,5 MPa
Tear strength (DIN 53515/ISO 34)	approx. 15 N/mm
E-Modulus (5-10%) (DIN 53515/ISO 34)	approx. 5 MPa
G-Modulus	approx. 2 MPa
Solvent percentage	0%
Isocyanate percentage	0%
Temperature resistance	-40°C till +100°C
Temperature resistance (max. 10 minutes)	+200°C
Application temperature	+5°C till +35°C
UV- and weather resistance	excellent
Container sizes	290 ml cartridge, 600 ml foil bag

For all relevant safety advices please read the material safety data sheet or the packaging label.