Product information
Liquifast 9000

PI 32/10/26/2023

Description
Cold-application, moisture-curing, 1-component polyurethane adhesive for bonding front, rear and side windows on vehicles in the case of repairs. An adhesive of this type is prescribed in particular if the vehicle windows can be heated or vehicle antennas have been integrated into the window. Is characterized by very high initial strength (high tack effect). This enables even high adhesive beads to be applied cleanly and prevents heavy or slanted windshields from sinking or slipping immediately after bonding. The high shear modulus contributes to significantly increased torsional stiffness, greater driving safety and higher driving comfort. The low electrical conductivity of the adhesive prevents potential contact corrosion on the body. It can be processed at temperatures from –15 °C (!), which allows application even under unfavorable weather conditions. TÜV tested.

Properties
- non-conductive
- cold working
- cured by moisture in the air
- short drive-away time
- high initial stability
- high-modulus
- proven OEM quality
- high viscosity

Technical data

Base	Polyurethanpräpolymere
Color / appearance	black
Density	ca. 1,130 g/cm³ DIN 53217-4
Rigidity	very good
Processing temperature	15 - 35 °C
Skin formation time at 23 °C/50 % relative humidity	ca. 12 - 15 min
Processing time at 23 °C/50 % relative humidity	ca. 13 min
Curing rate at 23 °C / 50 % rh	ca. 3.5 - 4 mm/24h
Hardness, Shore A	ca. 61 DIN 53 505
Tensile strength	ca. 10 MPa DIN 53504
Elongation at break	ca. 500 % DIN 53504
Tear propagation	ca. 12 N/mm DIN 53515

Technical data

Combined tension and shear resistance	ca. 7 MPa DIN EN 1465
G modulus (shear modulus)	ca. 2,5 MPa DIN 54451
Volume resistance	ca. 10^7 Ω · cm DIN 60093
Thermal stability	< 80 °C
Thermal stability, short-term (up to 1 hour)	< 120 °C
Drive-away time	30 min without airbag
Drive-away time	30 min with double-airbag
Shelf life in original sealed container	18 months
Recommended storage temperature	0 - 35 °C

Areas of application
For the bonding of windshields, rear windows and side windows to vehicle bodies (passenger vehicles, trucks, the drivers' cabins of tractors and forklift trucks and special vehicles). For the bonding of side windows made from single pane and insulation glass in bus and train car construction as well in vehicles from Audi, BMW, Ford, Jaguar, Mercedes-Benz, Opel, Porsche, Renault, Saab, Seat, Škoda, Volvo, Volkswagen, etc.

Application
1. Cleaner

The surfaces to be bonded must be dry, free from oil, dust, grease and other dirt residues. The complete pane must be cleaned on the inside with our Windshield Cleaner Foam (part no. 1512). Then clean the bonding area with Liquiclean (part no. 6186) or Cleaner and Thinner (part no. 6130), as well as the body flange and newly painted body parts. We recommend also cleaning the remaining adhesive beading that has been trimmed back with Liquiclean or Cleaner and Thinner. Before applying the sealant or bonding the window, the cleaned bonding surface

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must be completely dry.

Note: To enable optimum adhesion to the body flange, we recommend cleaning the body flange thoroughly before trimming back. Cut back the remaining bead as far as possible.

2. Priming/activation of pre-coated windows
Active Primer is required for adhesive pre-treating during window bonding. The Active Primer is included in the scope of delivery of the Window Repair Kit as a 10 ml stick. Shake Active Primer well for at least 45 seconds before use. Active Primer can be applied universally in the bonding area thinly and evenly (approx. 0.05 mm wet-film thickness) on the cleaned glass surface or ceramic screen printing, on the clean paint surface of newly painted car-body components, on remaining adhesive beadings that have been trimmed back and pre-coated windows (PUR and RIM coatings). The primed surface must be allowed to air off for at least 10 min. (23 °C/ 50 % RH) applying the windshield adhesive. If the residual adhesive bead was cut back more than 6 hours ago, pre-treatment with Active Primer is mandatory.

The application recommendations can be found in the enclosed brochure!

Available pack sizes

310 ml Cartridge aluminum	6168 D-GB-F-HR-RUS-GR
400 ml Bag aluminum	6171 D-GB-P-I

Our information is based on thorough research and may be considered reliable, although not legally binding.

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