



BETASEAL 8000

Description / Application:

Single-component, high-viscosity, atmospheric humidity-curing polyurethane bonding/sealing compound for high-strength, permanently elastic adhesive joints used in the automotive industry for the direct glazing process. May be used primerless to OEM paint systems following successful trials.

All Dow Automotive products are primarily developed in co-operation with the automobile manufacturers, according to their needs and their specifications; they are approved for the specific applications as defined by the customer.

The use of the product other than approved application have to be released in written form by the Technical Service of Dow Automotive.

Technical Data:

Basis	polyurethane prepolymers
Colour	black
Density	1.23 +/- 0,03 g/cm ³ at 23 °C
Solid contents	> 98%
Viscosity (Extrusion, Ballan 4 mm nozzle, 4 bar)	pasty, pumpable 12 - 18 g/min at 23 °C
Flash point	> 100 °C
Processing temperature	10 - 40 °C
Open time	max.: 15 min at 23 °C/50% rh
Sagging behavior	very good, non-sagging
Tack-free time	approx. 30 min at 23 °C/50% rh
Cure rate	> 4 mm in 48 h at 23 °C/50%rh
Tensile strength (DIN 53 504)	9 +/- 1 N/mm ²
Elongation at break (DIN 53 504)	> 500%
Lap shear resistance (EN 1465)	min. 5 N/mm ² (height of adhesive layer: 2mm) 23 °C/50% rh, 7d
Resistance to tear propagation (DIN 53 515)	15 N/mm
Shore A hardness (DIN 53 505)	approx. 60

Abrasion resistance	Extremely high
Temperature stability	-40 °C to 100 °C, for short periods up to 140 °C
Resistance to chemicals	Highly resistant to aqueous chemicals, petrol, alcohol and mineral oils. Conditionally resistant to esters, ketones, aromatics and chlorinated hydrocarbons
Bonding surface preparation	All bonding surfaces must be free of dirt, dust, water, oil and grease. In general surfaces should be primed. Verify compatibility or consult our technical service department.
Processing equipment	Cartridges: hand-operated or pneumatic heated gun with mechanical piston Drums, pails: commercial heated pumping system with connection to automatic applicator, if required.
Cleaning	Uncured BETASEAL 8000 residues can easily be removed with BETACLEAN 3000 or BETACLEAN 3500. Hardened BETASEAL 8000 residues can only be removed mechanically. Immerse equipment in BETACLEAN 3000.
Shelf life	6 months at +5 °C to +25 °C in unopened containers. (See "use before" date printed on container).
Containers	300 ml cartridges, cardboard packs of 12 Pails: 22 litres Drums: 200 litres
Protection measures	See health and safety data sheet.

Dow Automotive quality assurance

Quality is our utmost goal. Dow Automotive works according to a modern quality management system conforming to ISO/TS 16949:2002.

Environment: All sites of Dow Automotive are conforming to ISO 14001:2004.

All statements, technical information and recommendations contained in this document are based on tests that we believe are reliable.

However, the accuracy or completeness of the statements, information and recommendations is not guaranteed, as before using, the user should determine the suitability of the product for user's intended purpose.

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