

BETASEAL™ 8000-1F

Glass Bonding Systems

BETASEAL™ 8000-1F is a medium viscosity, low modulus, glass bonding adhesive with excellent UV stability attributes that can be used primerless on paint for selected paint technologies.

It is a one component, ambient moisture curing, solvent free adhesive for direct glazing applications. It shows excellent sag and bead stability. Skin formation and curing are dependent on humidity, temperature and application dimension.

All DuPont Adhesives 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 must be released in written form by the Technical Service of DuPont Adhesives.

Unless specified otherwise test are conducted at 23°C/50% relative humidity.

Product information

Colour	Black	
Basis	Polyurethane prepolymers	
Density	1.22 - 1.26 g/cm ³	ISO 845
Solid content	≥98 %	

Uncured properties

Skinning time	25 - 45 min
Cure rate, after 48h	≥3.5 mm
Sagging	30 ^[1] °

[1]: On vertical wall tilting (maximum).

Rheological properties

Extrusion Viscosity	12 - 20 ^[2] g/min
[2]: 23°C, 4mm / 4bar	

Application technique

Processing temperature	10 - 40 °C
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Cured properties

Temperature stability	-40 - 100 °C
Volume resistivity	1E6 Ohm.cm

Typical mechanical properties

Stress at break	9 MPa	ISO 1798
Strain at break	500 %	ISO 1798
Shear modulus	1 - 1.5 MPa	
Lap shear strength, 7 days	≥5 MPa	DIN EN 1465



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Shore hardness A

55 - 65

DIN 53505

Storage and stability

Shelf life

180^[3] days

[3]: Shelf life is assured at +5°C to +25°C in unopened containers. Short time storage temperatures: 0°C to +40°C. Minimum shelf life upon dispatch from DuPont production location.

Characteristics

Compatibility

Glass, Paint

Additional information

Adhesives

Bonding surface preparation

All bonding surfaces must be free of impurities (dirt, dust, water, oil, grease, release agent and similar contaminants). In general, adhesion promoters must be applied to the surfaces. Verify compatibility or consult our technical service department.

Application Equipment

Cartridges: Application with a standard 1-component pneumatic or electrical gun with piston bar (no direct air guns!).

Drums, Pails: Robotic pump system.

Upon request our application specialists can give support to select the right application system for your application.

Cleaning

Uncured adhesive residues can easily be removed with BETACLEAN™ 3500. Hardened adhesive residues can only be removed mechanically. Immerse equipment in BETACLEAN™ 3000.

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