



BETASEAL™ 16800

Glass Bonding Systems

BETASEAL™ 16800 is one component, moisture curing adhesive with excellent sag and bead stability based on polyurethane chemistry. The adhesive cures with environmental moisture and skin formation and curing is dependent on humidity, temperature and application dimensions.

BETASEAL™ 16800 is cold processable, high viscosity, high modulus, glass bonding adhesive.

Product information

Colour	Black
Basis	Polyurethane
Solid content	≥99 %

Uncured properties

Skinning time	25 - 50 min
Sagging	°

Rheological properties

Cup Viscosity	25 - 55 ^[1] s
[1]: 20g sample; 4mm/.157in orifice at 23°C/73°F and 550 kPa/80 psi	

Application technique

Processing temperature	64.4 - 95 °F
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Cured properties

Temperature stability	-40 - 212 °F
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Typical mechanical properties

Tensile Modulus	1015.27 psi	ISO 527-1/-2
Tensile Strength	1020 psi	ASTM D 412
Elongation at break	250 %	ASTM D 412
Shear modulus	≥363 ^[2] psi	
Lap shear strength, 3 days	≥493 psi	DIN EN 1465
Shore A hardness	75	ASTM D 2240
[2]: 10% Strain		

Other properties

Density	10.2 lb/gal	ISO 1183
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Storage and stability

Shelf life

6^[3] months

[3]: Short time storage temperatures: 0°C/32°F to 40°C/104°F. From date of manufacture at +5°C/41°F to +35°C/95°F in unopened containers.

Additional information

How to use

Resistance to Chemicals:

BETASEAL™ 16800 is highly resistant to aqueous chemicals, petrol, alcohol, and mineral oils; conditionally to esters, ketones, aromatics, and chlorinated hydrocarbons.

Bonding Surface Preparation:

For BETASEAL™ 16800 all bonding surfaces must be free of dirt, dust, water, oil and grease. Verify compatibility or consult our technical service department.

Cleaning:

Uncured adhesive residues of BETASEAL™ 16800 can easily be removed with Isopropanol or similar solvent. (Test non visible area of substrate with solvent to confirm it won't affect the topcoat). Hardened adhesive residues can only be removed mechanically.

Information:

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