



BETASEAL™ 16050N

Glass Bonding Systems

BETASEAL™ 16050N 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™ 16050N is cold processable, high viscosity, lower modulus, glass bonding adhesive.

Product information

Colour	Black
Basis	Polyurethane
Solid content	≥99 %

Uncured properties

Skinning time	10 - 45 min
Sagging	°

Rheological properties

Cup Viscosity	25 - 50 ^[1] s
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[1]: 20g sample; 4mm/.157in orifice at 23°C/73°F and 550 kPa/80 psi

Application technique

Processing temperature	18 - 35 °C
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Cured properties

Temperature stability	-40 - 100 °C
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Typical mechanical properties

Tensile Modulus	3 MPa	ISO 527-1/-2
Tensile Strength	7.0 MPa	ASTM D 412
Elongation at break	500 %	ASTM D 412
Shear modulus	≥1 ^[2] MPa	
Lap shear strength, 3 days	≥3.4 MPa	DIN EN 1465
Shore A hardness	65	ASTM D 2240

[2]: 10% Strain

Other properties

Density	1260 kg/m ³	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

Calendering

Resistance to Chemicals:

BETASEAL™ 16050N is highly resistant to aqueous chemicals, petrol, alcohol, and mineral oils; conditionally to esters, ketones, aromatics, and chlorinated hydrocarbons.

Bonding Surface Preparation:

For BETASEAL™ 16050N 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™ 16050N 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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