

BETASEAL™ 15709

Glass Bonding Systems

BETASEAL™ 15709 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™ 15709 is cold processable, high viscosity, medium modulus, glass bonding adhesive.

Product information

Colour	Black
Basis	Polyurethane
Solid content	≥99 %

Uncured properties

Skinning time	15 - 28	min
Sagging		0

Rheological properties

Cup Viscosity					20 - 50 ^[1] s		
[4] 00		1457		. 2206 /7205	1550 LD /00		

[1]: 20g sample; 4mm/.157in orifice at 23°C/73°F and 550 kPa/80 psi

Application technique

Processing temperature	64.4 - 95 °F

Cured properties

Temperature stability -40 - 212 °F

Typical mechanical properties

Tensile Modulus	725.19	psi	ISO 527-1/-2
Tensile Strength	1450	psi	ASTM D 412
Elongation at break	350	. •	ASTM D 412
Shear modulus	≥247 ^[2]	psi	
Lap shear strength, 3 days	≥493	psi	DIN EN 1465
Shore A hardness	70		ASTM D 2240
[2]: 10% Strain			

Other properties

Density	10.6 lb/d	aal 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™ 15709 is highly resistant to aqueous chemicals, petrol, alcohol and mineral oils; conditionally to esters, ketones, aromatics and chlorinated hydrocarbons.

Bonding Surface Preparation:

For BETASEAL™ 15709, 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[™] 15709 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:

Dupont 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 a DuPont Technical Service representative.

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