



BETAMATE™ 1090

Structural Adhesives

BETAMATE™ 1090 is a one-component, heat-curing, epoxy-based adhesive especially developed for the body shop. It is capable of bonding oily galvanized, cold-rolled steel, and aluminum.

BETAMATE™ 1090 has excellent process and storage stability, excellent adhesion to automotive steels (including coated steels and pre treated aluminum with good tolerance to oils and dry lubes).

BETAMATE™ 1090 helps to increase the stiffness and crash stability of the entire car body, high durability of the adhesive and adhesive bond and corrosion protection due to its sealing capability. It is compatible with other mechanical and thermal joining techniques, compatible with the e-coat process, wash-off resistant and precurable up to six weeks open time in the uncured bond. Typical applications include bonding of the vehicle body structure and closure hem flange applications.

Product information

Colour	Green -	
Density	1270 kg/m ³	ISO 845

Uncured properties

Viscosity, Bohlin, 23°C	≥130 Pa.s
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Cured properties

Stress at break	39 MPa	DIN 53504
Strain at break	5 %	DIN 53504
Lap shear strength, 3 days	≥28 MPa	DIN EN 1465

Typical mechanical properties

Peel strength, T-Peel	7.2 N/mm	ISO 11339
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Characteristics

Compatibility	Metals
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