



BETAMATE™ 1440

Structural Adhesives

BETAMATE™ 1440 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™ 1440 has excellent process and storage stability and excellent adhesion to automotive steels (including coated steels and pretreated aluminum with good tolerance to oil and dry lubes).

BETAMATE™ 1440 helps to increase stiffness and crash stability of the entire car body with high durability of the adhesive and the 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	Red -	
Density	1250 kg/m ³	ISO 845

Uncured properties

Viscosity, Bohlin, 23°C	≥46 Pa.s
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Cured properties

Stress at break	31 MPa	DIN 53504
Strain at break	11 %	DIN 53504
Lap shear strength, 3 days	≥30 MPa	DIN EN 1465

Typical mechanical properties

Peel strength, T-Peel	10 N/mm
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Characteristics

Compatibility	Metals
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