



BETAMATE™ 1496F

Structural Adhesives

BETAMATE™ 1496F 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™ 1496F has excellent adhesion to automotive steels (including coated steels and pretreated aluminum with good tolerance to oily and dry lubes).

BETAMATE™ 1496F helps to increase the stiffness and the crash stability of the entire car body with 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 and pregelable 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	Blue -	
Density	1190 kg/m ³	ISO 845

Uncured properties

Viscosity, Bohlin, 23°C	≥160 Pa.s
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Cured properties

Stress at break	33 MPa	DIN 53504
Strain at break	16 %	DIN 53504
Lap shear strength, 3 days	≥31 MPa	DIN EN 1465

Typical mechanical properties

Peel strength, T-Peel	12 N/mm
Peel strength, Impact-Peel	60 N/mm

Characteristics

Compatibility	Metals
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