

# BETAMATE™

## STRUCTURAL ADHESIVES



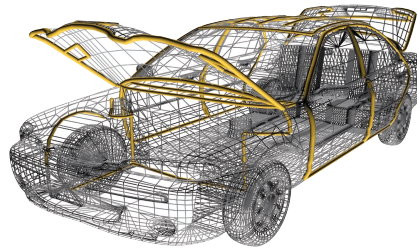
### **BETAMATE Structural Adhesives Bond Headliners to Roofs and Improve NVH Performance**

Dow Automotive is a global provider of NVH solutions for body-in-white, interior and exterior applications. Our material science and characterization expertise, combined with design engineering, processing knowledge and program management, enable us to provide OEM and tier customers with solutions that meet or exceed vehicle performance targets at lower weight and cost.

BETAMATE structural adhesives from Dow Automotive are one of a number of solutions that bond plastics, composites, glass hardware and trim to improve vehicle structure and acoustics.

One- and two-part BETAMATE high-performance structural urethane and epoxy adhesive systems are designed to meet stringent OEM requirements. Manually or robotically applied, using industry-standard equipment, BETAMATE is currently used to bond the following dissimilar materials:

- ▶ Primed glass to plastic
- ▶ SMC to steel
- ▶ Structural headliner to steel or e-coat
- ▶ Cladding (primerless to paint)
- ▶ Aluminum
- ▶ Magnesium
- ▶ Treated steel
- ▶ Non-treated steel

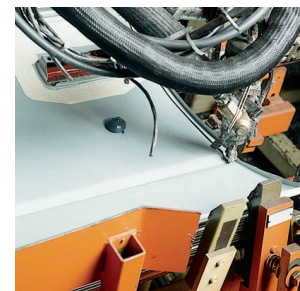


#### *Applications*

Side glass clip bonding  
Glass encapsulation  
Primerless-to-paint cladding bonding  
Primed/painted steel or plastic component bonding  
Structural headliner bonding

#### *Product advantages and ROI*

- ▶ Headliner adhesive systems reduce mass, parts and cost, including weight and cost of traditional steel roof bows
- ▶ Products improve design flexibility, reliability, roof deflection loads (roof rack supports)
- ▶ Clip bonding reduces costs and scrap associated with glass handling
- ▶ Clad bonding reduces costs associated with traditional fastener techniques



*BETAMATE is applied manually or robotically with industry-standard equipment.*

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### *Proof of performance*

Performance benefits of BETAMATE headliner adhesive systems compare favorably with traditional methods.

	<b>Bonded</b>	<b>Traditional</b>
Mass . . . . .	1.8 kg	2.6 kg
Cost . . . . .	Low	High
Tooling time . . . . .	Short	Long
No. of parts . . . . .	2	11
Acoustics . . . . .	Excellent	Fair
Structure . . . . .	Excellent	Fair

### *Full-service support from a single-source supplier*

In addition to the largest selection of material solutions, Dow Automotive offers the following services to meet your bonding needs:

- ▶ Application development and engineering support
- ▶ Plant services support—on line or at your facilities
- ▶ Vertical integration by manufacturing most of our own raw materials

Contact your customer service representative, or visit [dowautomotive.com](http://dowautomotive.com) for more information. For technical information select “Downloads” on home page and “Technical Data Sheets” on the next page.

*We listen. We deliver.*



***Dow Automotive***

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