

BETAMATE™ Two-part Structural Adhesives

BETAMATE™ two-part (2K) structural adhesives have been trusted for decades to deliver strength for vehicle safety, design freedom to optimize production, and durable, long-lasting bonds across a range of automotive applications.

Each 2K formulation is precisely engineered to balance a range of benefits that support modern manufacturing needs, including faster handling, fewer surface-prep steps, and modular assembly compatibility.

The BETAMATE™ family of 2K structural adhesives offers the freedom to select the formulation that best fits your needs—and provides confidence to meet evolving performance and production goals.

Manufacturing and Performance Benefits

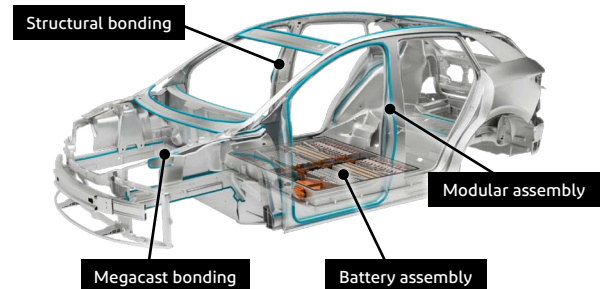
- **No-bake curing** eliminates oven steps, reduces energy use, and helps simplify fixturing needs.
- **Optimized cure rates** that help meet specific application requirements.
- **Fast handling strength** improves throughput with parts that are ready to move quickly.
- **Contamination resistance** enables reliable performance without extra process steps.
- **Toughness and durability** maintain bond integrity under crash and fatigue loads.
- **Multi-substrate bonding capability** ideal for aluminum, steel, and composite assemblies.
- **Heat resistance** for challenging environments including EV battery assemblies.

A Family of Solutions for Every Bonding Challenge

DuPont offers a range of solutions designed to meet diverse bonding challenges.

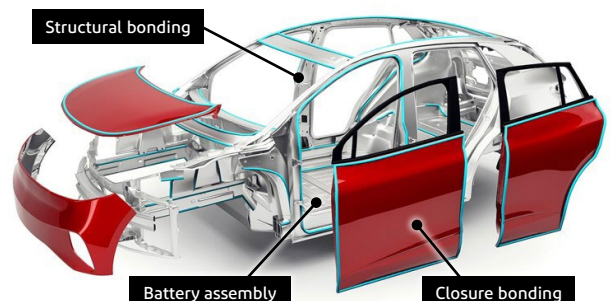
Epoxy

BETAMATE™ 2K epoxy structural adhesives are familiar, proven adhesives that deliver high strength and reliable performance across a range of applications. Whether the priority is speed, energy efficiency, or simplicity, epoxy grades can seamlessly adapt to the process.



Epoxy-acrylic

BETAMATE™ 2K epoxy-acrylic structural adhesives combine rapid cure speed and strength for high-efficiency assemblies. Epoxy-acrylic grades are ideal for applications where it is critical to reduce handling strength times while upholding structural integrity.

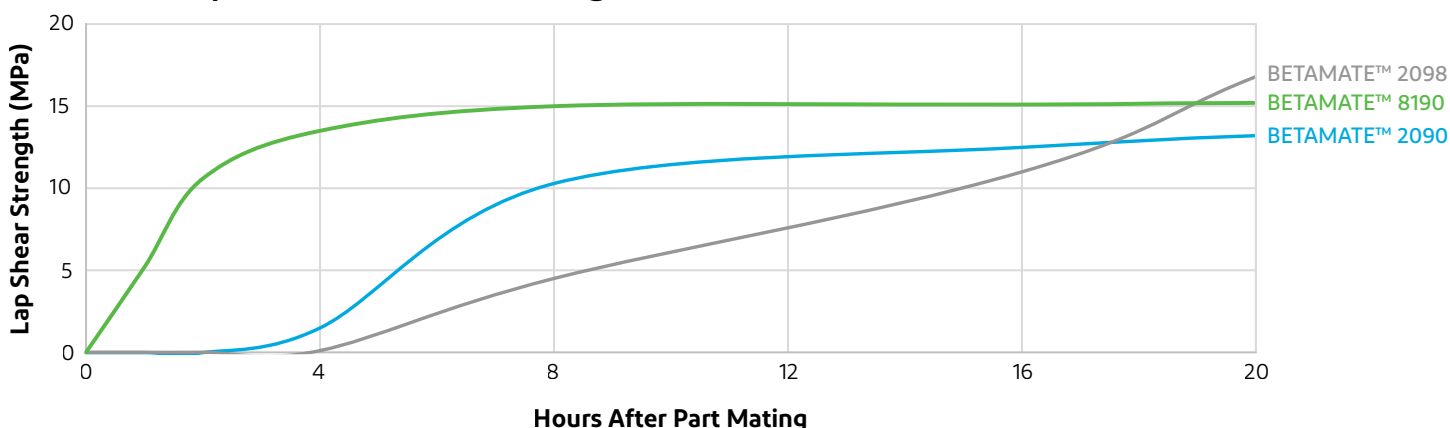


Featured Solutions

		BETAMATE™ 2090	BETAMATE™ 2098	BETAMATE™ 8190	
Liquid Properties	Chemistry	Epoxy	Epoxy	Epoxy-acrylic	
	Mix Ratio	Vol	2:1	4:1	
	Color	Blue	Blue	Green	
	Pumpability	Cold	Cold	Cold	
	Glass Beads	Present	Present	Present	
	Viscosity	Pas	A:60 B:30	A:150 B:8	A:40 B:65
Cure	Open Time	Minutes	20	20	40
	Fixture Time (1MPa)	Minutes	60	120	45
	Full Cure	Hours	24	24	8
Cured Properties	Tensile Strength	MPa	30	21	15
	Tensile Modulus	MPa	2000	1000	900
	Elongation	% at Break	5%	21%	30–150%*
	Lap Shear	MPa	14	21	22
	T-Peel	N/mm	5	8	7
	Impact Peel	N/mm	15	N/A	15–30

*Elasticity can be controlled by bake cycle. The elongation of BETAMATE™ 8190 is 150% when cured at room temperature and 30% when baked at 180°C for 30 minutes.

Room Temperature Cure Strength Build



Support from Concept to Commercialization

At DuPont, every project starts with understanding your application. Our team works with yours to identify key performance goals, manufacturing needs, and design priorities so we can help select or tailor the right adhesive solution. With decades of experience in structural bonding and a complete portfolio of materials, DuPont delivers more than proven products. We bring engineering expertise, a reliable global supply, and partnership that helps move your project from concept to launch with confidence.

For more information, call your DuPont representative or visit www.DuPont.com/mobility.

www.DuPont.com/mobility

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2025 DuPont.



The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.