

Specialized Adhesives Comparison Table

* REACH compliant version developed for European market. Note: All times measured at 75°F (24°C) and are significantly affected by temperature. Refer to adhesive data sheet for more details.



Part Number	Adhesive Type	Features	Working Time	Handling Strength	Full Cure	Strength		Service Temp Range
						Shear (ASTM D1002)	Peel (ASTM D1876)	
CB200	Acrylic Structural Adhesive	- Bonds a wide variety of metals, engineering plastics, and composites - Cures quickly at room temperature - Bonds irregular shapes and inaccessible surfaces - Excellent environmental and chemical resistance - Water resistant	5 min	30 min	24 hrs	4400 psi (30.3 MPa)	21 pli 3.7 kN/m	-67°F - 250°F (-55°C - 121 °C)
CB250	Acrylic Structural Adhesive	- Bonds ABS, PVC, acrylic, styrene, metals, wood, and ceramics - High shear, peel, and impact strength - Cures quickly at room temperature - Bonds gaps from 0.003 - 0.125 inches - Excellent environmental resistance	5 min	30 min	24 hrs	3500 psi (24.1 Mpa)	37 pli 6.5 kN/m	-67°F - 250°F (-55°C - 121 °C)
CB300	Epoxy Structural Adhesive	- Bonds to most substrates including metal, wood, concrete, ceramics and many plastics - Recommended for fast patching, fixturing, and other repairs requiring quick handling strength - Excellent fast-setting general purpose adhesive	3 min	15 - 30 min	60 min	3000 psi (20.7 Mpa)	1.8 pli 0.3 kN/m	-40°F - 180°F (-40°C - 82 °C)
CB301	Epoxy Structural Adhesive	- Bonds a wide variety of metals - Good peel and shear strength	60 min	24 hrs	7 days	4500 psi (31.0 Mpa)	50 pli 8.8 kN/m	-67°F - 250°F (-55°C - 121 °C)
CB309	Epoxy Structural Adhesive	- Bonds metals, FRP, wood, rubber, and other materials - Excellent environmental and chemical resistance - Ideal for gap filling and use on vertical surfaces	90 - 120min	8 - 16 hrs	24 - 48 hrs	1550 psi (10.7 Mpa)	2.2 pli 0.4 kN/m	-30°F - 250°F (-34°C - 121 °C)
CB359	Epoxy Structural Adhesive	- Bonds a wide variety of metals, thermoplastics, wood, concrete and composites - High peel, tensile, and lap shear strength - Low outgassing - Excellent resistance to water, salt spray, and organic fluids	60 min	24 hrs	5 - 7 days or 1 hr at 180°F (82°C)	4500 psi (31.0 Mpa)	60 pli 10.5 kN/m	-67°F - 200°F (-55°C - 93 °C)
CB394	High Temperature Epoxy Structural Adhesive	- Bonds metals, many thermoplastics, and thermoset composites - Excellent strength to 350°F / 177°C and higher - Low outgassing - Ideal for potting, filling, and liquid shim applications	90 min	24 hrs	3 - 5 days or 1 hr at 150°F(65°C)	4200 psi (30.0 Mpa)	5 pli 0.9 kN/m	-67°F - 350°F (-55°C - 176 °C)
CB420E*	Acrylic Structural Adhesive	- Bonds ABS, acrylics, aluminum, FRP, PVC, carbon steel, and stainless steel - Cures quickly at room temperature - High strength, excellent fatigue endurance, outstanding impact resistance, and superior toughness - Excellent environmental and chemical resistance	4 - 6 min	15 - 18 min	24 hrs	3050 psi (21.0 Mpa)	25 pli 4.4 kN/m	-40°F - 250°F (-40°C - 121 °C)