

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 the adhesive [safety data sheet library](#) for more details.



Adhesive	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 General Purpose 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	24 hrs	3000 psi (20.7 Mpa)	1.8 pli (0.3 kN/m)	-40°F - 151°F (-40°C - 66°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 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 (29.0 Mpa)	5 pli (0.9 kN/m)	-67°F - 350°F (-55°C - 177°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)	28 pli (4.9 kN/m)	-67°F - 250°F (-55°C - 121°C)