

CRL Silicone Selector Chart

Technical application information and Material Safety Data Sheets can be obtained by calling CRL's Technical Sales Department at Extension 777. You can also reach our Technical Sales Department by E-mail: techsales@crlaurence.com

	Sealant	Primerless Adhesion To These Materials:	Dynamic Joint Movement	Tooling Time	Tack-Free Time	Cure Time 1/4" Bead	Performance Temperature Range	Application Temperature Range	Conformance to ASTM and Federal Specifications	Hardness (Shore A)
Acetoxy Cure	CRL 33S Silicone Sealant	Glass, Aluminum, Metal Alloys, Stainless Steel, Fiberglass, Plastics, Glazed Ceramic Tile, Poxcelain, and Painted Surfaces	±25%	3-5 Minutes	20 Minutes	2 Days	-80° to 400°F -62° to 204°C	-35° to 140°F -37° to 60°C	TT-S-00230C, Class A; TT-S-001543A, Class A; ASTM C-920 Type S, Grade NS, Class 25, Use NT, G and A; 21CFR 177.2600; CGSB 19GP-13	25
	Dow Corning® 999A Silicone Building and Glazing Sealant	Glass, Aluminum, Stainless Steel, Metal Alloys and Plastics	±25%	7-15 Minutes	18 Minutes	2 Days	-80° to 400°F -62° to 205°C	-35° to 140°F -37° to 60°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920; CAN2-19.13M82 and ASTM 920	28
	Dow Corning® Trade Mate® DC1 Silicone Glass Sealant	Glass, Plastics, Metal, Repainted Surfaces, Fiberglass and Ceramics	±25%	5-10 Minutes	15-20 Minutes	24 Hours	-40° to 350°F -40° to 177°C	-20° to 122°F -29° to 50°C	TT-S001543A, Class A; TT-S-00230C, Class A; ASTM C920, Type S, Grade NS, Class 25	27
	GE® Construction 1200 Silicone Sealant	Glass, Ceramics, Steel, Granite, Aluminum and Plastics	±25%	5 Minutes	30 Minutes	5-7 Days	-72° to 400°F -58° to 204°C	-35° to 110°F -37° to 43°C	TT-S-001543A, TT-S-00230C, ASTM C920, Type S, Grade NS, Class 25, Use NT, G, A and O	28
	GE® Construction 1000 Silicone Sealant	Glass, Glazed Surfaces, Plastics, Metal and Granite	±25%	5 Minutes	30 Minutes	5-7 Days	-80° to 350°F -62° to 177°C	-35° to 110°F -37° to 43°C	TT-S-001543A; ASTM C920, Type S, Grade NS, Class 25, Use NT, G, A and O, TT-S-00230C	28
	CRL WCS1 and WCS5 Water Clear Silicone Sealant	Glass, Metal, Wood, Silicone Resin, Ceramic, Natural and Synthetic Fiber	±25%	7-10 Minutes	10 Minutes	3 Days	-80° to 450°F -62° to 232°C	-35° to 140°F -37° to 60°C	TT-S-00230, Class A, ASTM C-920	30
Neutral Cure	CRL RTV408 Industrial and Construction Silicone	Aluminum, Stainless Steel, Chromium, Tin, Iron, Plastics, Rigid PVC, Phenolic Resin, Glass, Ceramic, Most Reflective Coated Glasses	±25%	8-10 Minutes	30 Minutes	7-10 Days	-65° to 400°F -54° to 205°C	-20° to 100°F -29° to 38°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920, Type S, Grade NS, Class 25, Use NT, G and A; CGSB-19.13, AAMA 808.3-92	25
	CRL 95C Silicone Building Sealant	Most all Glass, Ceramics, Plastics, Stone, Masonry, Wood, Steel, Anodized and Mill-Finished Aluminum, Painted Surfaces	±50%	20-30 Minutes	2 Hours	14-21 Days	-40° to 350°F -40° to 177°C	-20° to 100°F -29° to 38°C	TT-S-001543A; TT-S-00230C; ASTM C-920, Type S, Grade NS, Class 25, Use NT, G, A, M and O	25
	Dow Corning® 795 Silicone Building Sealant	Most all Glass, Ceramics, Plastics, Stone, Masonry, Wood, Steel, Anodized and Alodined-Finished Aluminum, Painted Surfaces	±50%	20-30 Minutes	3 Hours	7-14 Days	-65° to 300°F -54° to 149°C	-35° to 160°F -37° to 71°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920, Type S, Grade NS, Class 25; GSA C.I.D. A-A-1556, Type S, Grade NS, Class 40; UL 263 (263) (ASTM E 119); CAN2-19.13M82	30
	Dow Corning® 995 Silicone Structural Adhesive	Glass, Reflective Glass, Anodized Aluminum, Granite, Paints, Including Most Fluoropolymer Based Paints	±50%	10-20 Minutes	1.5 Hours	7-14 Days	-40° to 300°F -40° to 149°C	-15° to 140°F -26° to 60°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920, Type S, Grade NS, Class 25	40
	Dow Corning® Trade Mate® DC2 Vinyl Window, Siding & Door Silicone Sealant	Most Glass, Vinyl, Metal, Wood and Fiberglass	±50%	5-10 Minutes	45-90 Minutes	2 Days	-80° to 400°F -62° to 205°C	-35° to 140°F -37° to 60°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920, Type S, Grade NS, Class 25, AAMA 808.3-92	20
	Dow Corning® Trade Mate® DC3 Paintable Weatherization Silicone Sealant	Most Masonry, Metal and Wood Window Frame Components, Painted Surfaces, Siding Materials	±25%	10-20 Minutes	45-60 Minutes	3 Days	-40° to 200°F -40° to 93°C	35° to 90°F 2° to 32°C	ASTM C-920, Type S, Grade NS, Class 25; Use NT, and G, with the Exception of Weight Loss After Heat Aging	20-25
	GE® UltraGlaze® SSG4000 Silicone Structural Glazing Sealant	Glass, Aluminum and Most Building Materials	±50%	5 Minutes	30 Minutes	5-7 Days	-80° to 190°F -62° to 88°C	32° to 110°F 0° to 43°C	TT-S-001543A, Class A; TT-S-00230C, Class A; ASTM C-920, Type S, Grade NS, Class 25, Use NT, G, A and O	45
	GE® SilPruf® 2000 Silicone Sealant	Glass, Metal, Masonry, Concrete, Coated Surfaces, Plastic and Wood	±50%	30 Minutes	3 Hours	5-7 Days	-55° to 200°F -48° to 93°C	-35° to 140°F -37° to 60°C	TT-S-001543A, ASTM C1184-95; ASTM C-920, Type S, Grade NS, Class 25, Use NT, G, A and O	25
	GE® SilGlaze® II 2800 Silicone Sealant	Glass, Metal, Plastic, Most Building Substrates, Including Concrete	±50%	6-12 Minutes	30 Minutes	2-4 Days	-80° to 300°F -62° to 149°C	-35° to 140°F -37° to 60°C	TT-S-001543A; TT-S-00230C; ASTM C-920-79, Type S, Grade NS, Class 25, Use NT, G, A and O, AAMA 802.3-92, 805.2-92, 808.3-92, 803.3-92 (Type I)	18

Construction Sealant Selector Chart

Sealant	Primerless Adhesion To These Materials:	Dynamic Joint Movement	Tooling Time	Tack-Free Time	Cure Time 1/4" Bead	Performance Temperature Range	Application Temperature Range	Conformance to ASTM and Federal Specifications	Hardness (Shore A)
CRL M66 Polyurethane Construction Sealant	Most surfaces including Precast, Masonry, Wood and Aluminum	±25%	1-2 Hours	<72 Hours	24-48 Hours	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	TT-S-00230C, Type II, Class A; ASTM C920-94, Type S, Grade NS, Class 25, Use NT, M, T, A and O	40
V116 Weatherproofing Sealant	Most surfaces including Precast, Masonry, wood and Aluminum	±25%	1-2 Hours	<72 Hours	24-48 Hours	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	TT-S-00230, Type II, Class A; ASTM C920-79, Type S, Grade NS, Class 25, Use NT, M, A and O	40
300SSL One-Part Semi Self-Leveling Polyurethane Sealant	Most surfaces including Precast, Masonry and Wood	±50%	1-2 Hours	<24 Hours	24-48 Hours	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	ASTM C920, Type S, Grade P, Class 50, Use T, NT, M, A and O	25-30
CRL M64 Polyurethane Construction Sealant	Most surfaces including precast, masonry and wood	+100% -50%	1-2 Hours	<24 Hours	24-48 Hours	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	TT-S-00230C, Type II, Class A; ASTM C920-94, Type S, Grade NS, Class 25, Use NT, M, A and O; CGSB 19.13-M87, Type MCG-2-25-A-N	25-30
Dymonic Low Modulus Expansion Joint Sealant	Concrete, Aluminum, Brick, Granite and Wood. High Performance Paints and Architectural Finishes may require priming.	±25%	1-2 Hours	24-48 Hours	48-72 Hours	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	TT-S-00230C, Type II, Class A+ 25% Movement Capability; ASTM C920-79, Type S, Grade NS, Class 25, Use NT, M, A and O	25-30
CRL U60 Unicrylic Construction Sealant	Most Porous and Non Porous Substrates	±7.5%	30 Minutes	24 Hours	14 Days	0° to 180°F -18° to 82°C	>40°F >4°C	TT-S-00230 and 19GP5M	40-50
Mono 555 One-Part Acrylic Terpolymer Construction Sealant	Most common substrates including Aluminum, Glass and Wood	±12.5%	30 Minutes	24-36 Hours	21-28 Days	-40° to 180°F -40° to 82°C	40° to 140°F 4° to 60°C	TT-S-00230; CGSB 19GP5, QPL #60301-E	50 ±5
CRL 777 Butyl Rubber Caulk	Wood, Glass, Metal, Masonry and some Plastics	±7%	30 Minutes	2 Hours	21 Days	-20° to 200°F -29° to 93°C	0° to 120°F -18° to 49°C	TT-S-001657 Type I, TT-C0598C and TT-C-1796A; ASTM C1311 and AAMA 808.3	15
CRL 888 Premium Grade Caulking Compound	Metal, Glass, Wood, Concrete and Drywall	±7.5%	30 Minutes	2 Hours	21 Days	-20° to 200°F -29° to 93°C	40° to 120°F -4° to 49°C	TT-S-001657, TT-C00598C and TT-C-1796A; ASTM C1311 and AAMA 808.3	20
PT1707 Butyl Rubber Sealant	Wood, Glass, Metal, Concrete and Masonry	±12.5%	30 Minutes	24 Hours	14 Days	-30° to 200°F -34° to 93°C	40° to 120°F 4° to 60°C	TT-S-001657; ASTM C-1085, AAMA 808.3, CGSB 19GPN	40
CRL 800 Acrylic Latex Caulk	Wood, Metal, Drywall and Glass	±7.5%	15 Minutes	45 Minutes	72 Hours	0° to 180°F -18° to 82°C	>40°F >4°C	ASTM C-834-95	50
CRL 321 Siliconized Acrylic Latex Caulk	Wood, Metal, Drywall and Glass	±12.5%	30 Minutes	1 to 2 Hours	7-14 Days	-5° to 170°F -21° to 77°C	>40°F >4°C	ASTM C-834-95	25