



SELECTION GUIDE





ACRYLIC SUBSTRATES

3[#]	Non-flammable, water-thin, very fast set solvent cement for acrylics. Will also bond styrene, butyrate and polycarbonate to themselves. <i>Not for sale in California South Coast Air Quality Management District (SCAQMD), due to rule 1168. Use Weld-On 4-SC.</i>
4[#]	Water-thin, moderately fast set solvent cement for acrylics. Will also bond styrene, butyrate and polycarbonate to themselves. <i>Not for sale in California South Coast Air Quality Management District (SCAQMD), due to rule 1168. Use Weld-On 4-SC.</i>
4-SC[*] NEW!	Water-thin, fast set solvent cement for acrylics. Will also bond styrene, butyrate and polycarbonate to themselves.
5[#] NEW!	Water-thin, medium set, solvent cement for acrylics. Will also bond styrene, butyrate and polycarbonate to themselves. <i>Not for sale in California South Coast Air Quality Management District (SCAQMD), due to rule 1168. Use Weld-On 4-SC.</i>
16[*]	Fast drying, high strength, medium bodied cement for acrylics. Will also bond styrene, butyrate, polycarbonate, other plastics and porous surfaces.
28[*] KIT	Hand mixed three-component, reactive, high strength acrylic based adhesive with excellent weatherability. Mil Spec A-8576C Type II
40[*] KIT	Hand mixed two-component, reactive, high strength acrylic based adhesive provides "museum quality" water clear joints with excellent weatherability. Mix ratio of 20:1. Mil Spec A-8576C Type III. Refrigeration Recommended.
42[*] 50ml Cartridge NEW!	Two-component 10:1, reactive, high strength acrylic based adhesive provides "museum quality" water clear joints with excellent weatherability. Mil Spec A-8576C Type III. Refrigeration Recommended.
42[*] 230ml Cartridge	Two-component 10:1, reactive, high strength acrylic based adhesive provides "museum quality" water clear joints with excellent weatherability. Mil Spec A-8576C Type III. Refrigeration Recommended.
1802	Thin bodied, moderately fast set. For bonding acrylics, styrene, PVC, ABS and butyrate to themselves or each other.
3061[*]	Thinner for 40A (Acrylic Monomer)

VINYL, PVC, CPVC SUBSTRATES

66	Thin syrup, fast curing, high strength. Instant contact strength. For flexible vinyl, leather, urethane, wood, canvas, etc. Long open time.
1001[*]	Thin syrup, slow set, rigid bond. For rigid or flexible vinyl to aluminum, glass, wood, etc.
1007[#]	Thin syrup, very fast set, rigid bond. For rigid vinyl and ABS.
1829	For many plastics and non-plastic materials, e.g., vinyls, acrylics, urethane, foam, polyester, wood, metal, etc.
1909[#]	Medium syrup, fast set, flexible bond. For flexible vinyl, ABS, leather, canvas, fabrics, acrylics, butyrate and polyurethane. Water resistant.
1910[#]	Heavy syrup, slow set, solvent cement. For foamed, rigid and flexible PVC to themselves. Not for joining dissimilar materials.
2007[*]	Water-thin, very fast set solvent cement. For foamed, rigid and flexible PVC to themselves and each other. Not for joining dissimilar materials.
3110[*] PVC Fence Cement Low VOC	Paste cement for bonding rigid PVC such as fence picket and rails.
4007[*] Low VOC	Thin syrup, very fast set, rigid bond. For rigid vinyl and ABS. (Low VOC version of 1007).
4052[*] Low VOC	Medium syrup, fast set solvent cement. Multi-purpose for PVC, CPVC, ABS, Styrene, Nylon, Foamed PVC, etc.
4784[*] Low VOC	Medium syrup, fast set, flexible bond. For flexible or rigid vinyl to itself or other materials such as leather, canvas, fabrics, ABS, acrylics, butyrate and polyurethane. Weather resistant.
4909[*] Low VOC	Medium syrup, fast set, flexible bond. For flexible vinyl, ABS, leather, canvas, fabrics and acrylics. Water resistant. (Low VOC version of 1909)

* These products meet maximum VOC requirements of California South Coast Air Quality Management District (SCAQMD) Rule 1168.

These products are not available in SCAQMD.



POLYCARBONATE SUBSTRATES

55*
50ml Cartridge
No VOC

Two-component 1:1, reactive urethane based adhesive for bonding polycarbonate, butyrate, ABS and PETG. Excellent UV light resistance. Does not alter the impact resistance of polycarbonate.

58*
50ml Cartridge
No VOC

Two-component 1:1, reactive urethane based adhesive for bonding polycarbonate, butyrate, ABS and PETG. Excellent UV light resistance. Does not alter the impact resistance of polycarbonate.


STRUCTURAL ADHESIVES

10*
Kit

Two-component, high strength structural adhesive. High viscosity. Bonds PVC, acrylics, styrene, ABS, polycarbonates to steel, aluminum, etc.

45
50ml & 400ml Cartridge

Two component 4:1 high strength methacrylate structural adhesive. High viscosity. Bonds unprepared and corrosion resistant metals, composites and plastics.


UL 746C Approved

81*
470ml Cartridge

Two-component, high strength, acrylic based adhesive packaged in a 2-component cartridge for use with a mixing tip and dispensing gun. Same physical properties as Weld-On™ #10.

STYRENE

4807*
Low VOC

Medium syrup, fast set. For bonding styrene to itself.



ABS SUBSTRATES

1707*

Medium syrup, fast set. Dries milky translucent. For cementing ABS ONLY!

2354*

Water-thin, fast set solvent cement. For bonding ABS and styrene to themselves. Not for joining dissimilar materials.

4707*
Low VOC

Heavy syrup, fast set, dries milky translucent. For cementing ABS ONLY! (Low VOC version of 1707).

PRIMERS AND CLEANERS

57*
Cleaner

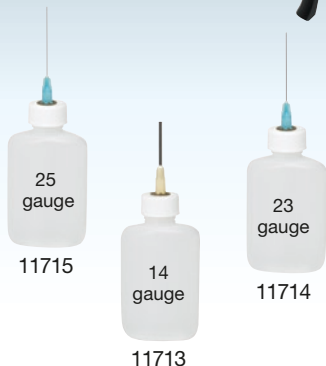
Non-abrasive cleaner for acrylic and most other plastics.

ACCESSORIES

50 ml APPLICATOR GUN
13585 - Manual

400 ml APPLICATOR GUN
12933 - Pneumatic
12613 - Low Resistance Manual

470 ml / 490 ml APPLICATOR GUN
11199 - Pneumatic
11652 - Low Resistance Manual



OVAL DISPENSING BOTTLES



EASY POUR SPOUT



11718 MICRO TIPS

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These products are not available in SCAQMD.



TYPICAL PROPERTIES



	SCIGRIP™ NUMBER	COLOR	NUMBER OF COMPONENTS	WORKING TIME	FIXTURE TIME	80% STRENGTH	MINIMUM EXPECTED SHELF LIFE @73°F (yr)	TYPICAL SPECIFIC GRAVITY	TYPICAL VISCOSITY (cps)	VISCOSITY REFERENCE
ACRYLICS	3 [#]	Clear	1	1 min	2 min	24 hrs	2	1.30	–	water-thin
	4 [#]	Clear	1	1-2 min	3 min	72 hrs	2	1.12	–	water-thin
	4-SC	Clear	1	1-2 min	3 min	72 hrs	2	1.12	–	water-thin
	5 [#]	Clear	1	1-2 min	2-3 min	72 hrs	2	1.19	–	water-thin
	16	Clear	1	2-3 min	5-6 min	16 hrs	2	1.11	800	motor oil
	28	Clear	3	15 min	1 hr	24 hrs	1	1.03	3,400	syrup
	40	Clear	2	20 min	2 hrs	72 hrs	1*	1.03	2,900	syrup
	42	Clear	2	15 min	2 hrs	72 hrs	1*	1.03	2,900	syrup
	1802	Clear	1	8 min	10-15 min	72 hrs	3	0.89	300	motor oil
3061	Clear	1	–	–	–	2	0.94	–	water-thin	
VINYLS PVC, CPVC	66	Clear	1	2-20 min	45-60 min	2 hrs	3	0.85	260	motor oil
	1001	Clear	1	15-20 min	30 min	72 hrs	3	0.94	500	motor oil
	1007 [#]	Clear	1	10-15 min	20-25 min	72 hrs	3	0.91	110	motor oil
	1829	Tan	1	–	–	–	2	0.86	1,750	syrup
	1909 [#]	Clear	1	10-15 min	20-25 min	72 hrs	3	0.90	500	motor oil
	1910 [#]	Clear	1	15 min	20-25 min	72 hrs	2	0.92	2,100	syrup
	2007	Clear	1	1-2 min	3 min	24-48 hrs	3	0.85	–	water-thin
VINYLS PVC, CPVC LOW VOC	3110	White	1	3 min	15 min	24 hrs	3	0.96	8,000-10,000	ketchup
	4007	Clear	1	20 min	25 min	72 hrs	3	0.93	800	motor oil
	4052	Amber**	1	15 min	20-25 min	72 hrs	3	0.94	500	motor oil
	4784	Clear	1	20 min	25-30 min	72 hrs	3	0.90	335	motor oil
	4909	Clear	1	10-15 min	20-25 min	72 hrs	3	0.94	900	motor oil
ABS	1707 [#]	Milky	1	10 min	15-20 min	24 hrs	3	0.87	900	motor oil
	2354	Clear	1	3 min	5 min	72 hrs	3	0.81	–	water-thin
	4707	Milky	1	10 min	10-15 min	24 hrs	3	0.88	4,000	syrup
POLYCARBONATE	55	Clear	2	5-6 min	1-2 hrs	72 hrs	1	1.14	4,000	syrup
	58	Clear	2	2-3 min	20 min	2 hrs	1	1.14	4,000	syrup
STYRENE LOW VOC	4807	Milky	1	10-15 min	20 min	72 hrs	3	0.88	600	motor oil
STRUCTURAL	10	White	2	25 min	1 hr	24 hrs	1	1.03	40,000	ketchup
	45	Tan	2	6 min	15 min	1 hr	1	1.05	500,000	peanut butter
	811	White	2	25 min	1 hr	24 hrs	1.5	1.05	40,000	ketchup
PRIMERS & CLEANERS	57 [#]	Blue	1	–	–	–	3	0.81	–	water-thin

* Refrigeration is recommended to increase shelf life.

** Thin layer of solvent cement on substrate appears clear when dry.

Not for sale in California South Coast Air Quality Management District (SCAQMD), due to rule 1168.



QUICK SELECTION CHART



ABS	Acrylic Cell Cast	Acrylic Cross-Linked	Acrylic Extruded	Butyrate	Concrete	Fiberglass	Metal	PETG	Polycarbonate	Polyester	Polyurethane	PVC (Rigid)	PVC (Flexible)	PVC (Foamed)	Styrene	Wood	
2354 1707/4707 55/58	16 1802 40/42	10 40/42	16 1802 40/42	16 55/58 40/42	10 45	10 45	45 10	16 55/58 40/42	16 55/58 40/42	40/42 10	66 4784 55/58	10 16/4052 45	45	16 40/42 45	16 1802	45	ABS
16 1802 40/42	40/42 3/4/4SC/5 16	10 40/42	40/42 3/4/4SC/5 16	16 40/42 45	10 45	10 45	10 45	10 40/42 16	16 40/42 45	40/42 10	66 4784	40/42 16 4052	45	16 40/42 45	16 4052 10	45	Acrylic Cell Cast
10 40/42	10 40/42	10 40/42	10 40/42	40/42 10 45	10 45	10 45	10 45	10 40/42 45	10 40/42 45	40/42 10	40/42 10	10 40/42 45	45	40/42 45	10 40/42	10 45	Acrylic Cross-Linked
16 1802 40/42	40/42 3/4/4SC/5 16	10 40/42	40/42 3/4/4SC/5 16	16 40/42 45	10 45	10 45	10 45	10 40/42 16	10 40/42 45	40/42 10	66 4784	40/42 16 4052	45	16 40/42 45	16 4052 10	45	Acrylic Extruded
16 55/58 45/40/42	16 40/42 45	40/42 10 45	16 40/42 45	3/4/4SC/5 2007/16 55/58	10 45	10 45	45 10	16 55/58 40/42	16 55/58 40/42	40/42 10 45	66 4784 55/58	16 55/58 40/42	66 4784 45	66 40/42 45	1802 16 45	45 10	Butyrate
10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	45	10 45	10 45	10 45	Concrete
10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	45	10 45	10 45	10 45	Fiberglass
45 10	10 45	10 45	10 45	45 10	10 45	10 45	10 45	10 45	10 45	10 45	10 45	10 45	45	45 10	10 45	10 45	Metal
16 55/58 40/42	10 40/42 16	10 40/42 45	10 40/42 16	16 55/58 40/42	10 45	10 45	10 45	55/58 3/4/4SC/5 40/42	55/58 40/42 45	40/42 45	10	10 40/42 16	45	16 40/42 45	16 10	45	PETG
16 55/58 40/42	16 40/42 45	10 40/42 45	10 40/42 45	16 55/58 40/42	10 45	10 45	10 45	55/58 40/42 45	55/58 3/4/4SC/5 16	40/42 10 45	10	40/42 10 16	45	16 40/42 45	10 16 1802	45	Polycarbonate
40/42 10	40/42 10	40/42 10	40/42 10	40/42 10 45	10 45	10 45	10 45	40/42 45	40/42 10 45	40/42 10 45	10 1829	40/42 10	45	10 40/42 45	40/42 10	10 1829	Polyester
66 4784 55/58	66 4784	40/42 10	66 4784	66 4784 55/58	10	10	10	10	10	10	10 1829	66 4784 55/58	66 4784 45	66 4784	10 45	45	Polyurethane
10 16/4052 45	40/42 16 4052	10 40/42 45	40/42 16 4052	16 55/58 40/42	10 45	10 45	10 45	10 40/42 16	40/42 10 16	40/42 10	66 4784	2007 10/40/42 1007/4007	2007 45	16 2007 40/42/45	10 16 1802	45	PVC (Rigid)
45	45	45	45	66 4784 45	45	45	45	45	45	45	66 4784 45	2007 45	2007 66/4784 45	2007 45	2007 45	45	PVC (Flexible)
16 40/42 45	16 40/42 45	40/42 45	16 40/42 45	16 40/42 45	10 45	10 45	45 10	16 40/42 45	16 40/42 45	10 40/42 45	66 4784	16 2007 40/42/45	2007 45	2007 16 40/42/45	1802 16 45	45 10	PVC (Foamed)
16 1802	16 4052 10	10 40/42	16 4052 10	1802 16 45	10 45	10 45	10 45	16 10	10 16 1802	40/42 10	10 45	10 16 1802	2007 45	1802 16 45	4807 16 1802	45	Styrene
45	45	10 45	45	45 10	10 45	10 45	10 45	45	45	10 1829	45	45	45	45 10	45	45	Wood



PERFORMANCE • TRUST • VALUE • FLEXIBILITY • SCIENCE

That's the foundation that has made SCIGRIP™ (the powerful merger of IPS WELD-ON® & HoldTite®) a world leader in dependable, advanced structural adhesives for more than a half century.

Whether it's transportation, marine, building and construction or product assembly, our mission at SCIGRIP is to provide the strongest, most trusted adhesive solutions with the flexibility to meet ever-changing assembly techniques.

With the vision and know-how to create scientifically advanced products that save time and energy, SCIGRIP delivers unsurpassed value and unmatched flexibility, changing the way people put things together.



Adhesives for Industrial & Commercial Applications.

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