

## STRUCTURAL/ACRYLIC ADHESIVES

Henkel Loctite® Structural Adhesives combine epoxy-like strength with instant adhesive speed to provide tough, solvent-resistant bonds. Unlike epoxies, there is no measuring or mixing required, no mess and no curing time delays. Loctite Structural Adhesives cure rapidly at room temperature and at elevated temperatures as well.

### DEPEND 330

General purpose acrylic adhesive. Works on dirty or oily surfaces and poorly fitted parts. Bonds a wide variety of substrates with gaps up to 0.030", at temperatures between -60°F and +250°F. Used with Activator 7075.

### SPEEDBONDER 324

High impact strength adhesive designed for mild shock loading. Tough, flexible bonds are formed in gaps up to 0.04". Bonds metal, ceramic, glass, leather, wood, and most thermoplastics. Operates best between -65°F and +275°F. Use with Activator 7075.

### SPEEDBONDER 325

Severe environment adhesive for higher temperature bonding applications. Forms durable, solvent-resistant bonds of metal, ceramic, glass, leather, wood, and most thermoplastics. Fill gaps up to 0.040" and maintains its properties between -65°F and +350°F. Used with Activator 7075.

### SPEEDBONDER 326

Rapid curing versatile adhesive for general purpose use. Bonds metal, glass, ceramic, leather, wood, and most thermoplastics. Fills gaps up to 0.020" and operates between -65°F and +225°F. Used with primer N.

### 332

Tough, versatile adhesive formulation for severe environment applications. Resists temperatures between -40°F and +400°F with good solvent resistance. Bonds a wide variety of substrates through gaps of up to 0.020". Used with Activator 7387.

### 334

High tensile strength adhesive with high impact and peel resistance. Forms tough, durable bonds on a wide variety of substrates through gaps of up to 0.020". Used with Activator 7387.

### 392

Tough, durable adhesive with outstanding impact and peel resistance. Rapid fixtures can be obtained through small gaps on a variety of substrates. Ideal for productivity applications when used with Activator 7380.

### 312

Minute Bond 312. Rapid curing adhesive made for small gaps (0.005" and below). Bonds metal, glass, bond accelerator. Temperatures between -65°F and +200°F.



Cat. No.	Description	Net Price
<b>312</b>		
31231	1.69 fl. oz. (50 ml) bottle	\$54.83
<b>324</b>		
32430	1.69 fl. oz. (50 ml) bottle	32.56
<b>325</b>		
32530	1.69 fl. oz. (50 ml) bottle	32.56
<b>326</b>		
32629	1.69 fl. oz. (50 ml) bottle	32.56
<b>330</b>		
20251	Depend adhesive kit—50 ml	38.08
20252	Depend adhesive kit—250 ml	99.94
18861	1.75 oz. (52 ml) bottle	19.29
<b>332</b>		
33201	25 ml syringe	61.09
33275	300 ml cartridge	211.80
<b>334</b>		
33403	25 ml cartridge	59.27
33470	300 ml cartridge	190.60
<b>392</b>		
39205	25 ml syringe	51.80
39250	50 ml syringe	62.78
39275	300 ml syringe	163.14
<b>3412</b>		
32515	50 ml cartridge	23.41
<b>3414</b>		
32512	50 ml cartridge	27.77

## EPOXY AND URETHANE ADHESIVES

Henkel Loctite® offers a complete line of one-part and two-part epoxy and urethane adhesives for structural bonding, potting, and encapsulating. The Loctite® Hysol® line contains a wide range of application-specific products designed to outperform the competition in all aspects: better adhesion; better flow; improved clarity; higher strength; greater durability; less odour. From fast setting to high temperature properties, Hysol® Epoxy and Urethane adhesives offer a variety of performance benefits to meet your assembly requirements.

### E-05CL HYSOL®

A toughened epoxy with a 5-minute worklife. Ultra-clear, high peel, low odour.

### E-20HP HYSOL®

A high strength epoxy with a 20-minute worklife. Off-white, toughened. High peel, high shear.

### E-30CL HYSOL®

A glass bonding epoxy with a 30-minute worklife. Ultra-clear, low viscosity, impact resistant.

### E-60NC HYSOL®

A potting compound with a 60-minute worklife. Black opaque, low viscosity. Electrically non-corrosive.

### U-05FL HYSOL®

A two-part, high-performance urethane adhesive for metal bonding with a five-minute work-life. Off-white, highly flexible, impact resistant, high peel, high shear.

Cat. No.	Description	Net Price
<b>E-05CL HYSOL®</b>		
29294	50 ml dual cartridge	\$15.86
29300	200 ml dual cartridge	53.86
<b>E-20HP HYSOL®</b>		
29314	50 ml dual cartridge	15.86
29315	200 ml dual cartridge	62.84
<b>E-30CL HYSOL®</b>		
29329	50 ml dual cartridge	15.86
29330	200 ml dual cartridge	62.84
<b>E-60NC HYSOL®</b>		
29324	50 ml dual cartridge	14.22
29325	200 ml dual cartridge	42.94
<b>U-05FL HYSOL®</b>		
29348	50 ml dual cartridge	17.14
29349	200 ml dual cartridge	64.87

## ELECTRONICS GRADE SILICONES

Loctite Adhesives are specified by the world's leading fibre optic component manufacturers. With the most diversified line of adhesives and sealants in the industry, Henkel Loctite has products to meet your specific needs. Whether you are manufacturing modulators, collimators, amplifiers, beam splitters, switches, etc., Henkel Loctite is the best resource for fibre optics assistance. Adhesives provide design advantages, speed assembly time, and increase production efficiency and quality.

### 5140 RTV POTTING

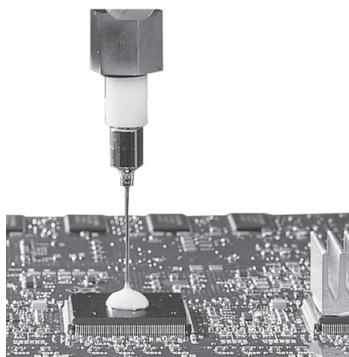
A non-corrosive, self-leveling, RTV silicone for shallow potting, sealing, and coating electronic devices, especially for military, automotive, and industrial electronics. Meets Mil-A-46146B.

### 5145 ADHESIVE/SEALANT

A high-strength, non-corrosive, form-in-place silicone adhesive for bonding and

Cat. No.	Description	Net Price
<b>5140 RTV POTTING</b>		
18120	85 gm tube	\$29.31
18117	300 ml cartridge	73.37
<b>5145 ADHESIVE/SEALANT</b>		
20250	3 oz. tube	42.73
19803	300 ml cartridge	91.87
<b>5088 NUVA-SIL® POTTING COMPOUND</b>		
17614	300 ml cartridge	93.74
<b>5089 NUVA-SIL® POTTING COMPOUND</b>		
33645	300 ml cartridge	164.44

NOTE: For more information please contact your Electro Sonic sales representative.



## THERMALLY CONDUCTIVE ADHESIVES

Henkel Loctite® Thermally Conductive Adhesives eliminate the need for mechanical fasteners and clips, while providing the most efficient thermal transfer between transistors or microprocessors and their heat sinks. Loctite offers a wide range of adhesive chemistries including silicones, acrylics, and epoxies. Many processing options are available for curing these adhesives such as heat cure, activator cure, and UV light.

### 315 OUTPUT™ ACRYLIC ADHESIVE

A self-shimming adhesive for electrical isolation. Cures at room temperature. Cure schedule: fixtures in 5 minutes @ 20°C. Full cure: 4-24 hours @ 20°C.

### 383 OUTPUT™ REPAIR ACRYLIC ADHESIVE

A high strength, room temperature curing adhesive for permanent assemblies. Cure schedule: fixtures in 5 minutes @ 20°C. Full cure: 4-24 hours @ 20°C.

### 384 OUTPUT™ REPAIRABLE ACRYLIC ADHESIVE

A repairable, room temperature curing adhesive used for parts subject to disassembly. Cure schedule: fixtures in 5 minutes @ 20°C. Full cure: 4-24 hours @ 20°C.

### 3873 ACRYLIC ADHESIVE HIGH CONDUCTIVITY

A fast curing self-shimming adhesive for bonding heat generating devices to thermal spreader. Cure schedule: fixtures in 5 minutes @ 20°C. Full cure: 4-24 hours @ 20°C.

### 5404 OUTPUT™ HEAT CURE SILICONE

A self-shimming, flexible adhesive for demanding parts such as ceramic boards. Cure schedule: 10 minutes @ 150°C.

Cat. No.	Description	Net Price
<b>315 OUTPUT™ ACRYLIC ADHESIVE</b>		
31520	25 ml syringe	\$40.32
31575	300 ml cartridge	237.51
<b>383 OUTPUT™ ACRYLIC ADHESIVE</b>		
17098	25 ml syringe	30.42
33348	25 ml EFD syringe	37.15
12991	300 ml cartridge	213.74

Cat. No.	Description	Net Price
<b>384 OUTPUT™ REPAIRABLE ACRYLIC ADHESIVE</b>		
20286	25 ml EFD syringe	\$30.42
17099	25 ml syringe	30.42
17041	300 ml cartridge	213.74
<b>3873 ACRYLIC ADHESIVE HIGH CONDUCTIVITY</b>		
29822	25 ml syringe	51.02
29823	300 ml cartridge	347.07
<b>5404 OUTPUT™ HEAT CURE SILICONE</b>		
26665	300 ml cartridge	309.49



## POTTING AND ENCAPSULATION HYSOL® ES4212/ES4412

Hysol® ES4212 and ES4412 are two-component casting systems with excellent handling properties. They combine low cost and flexibility with ease in handling. These products mix in 1-to-1 ratio by volume and are filled with non-abrasive fillers for machine metering and dispensing. ES4212 has a long pot life, while ES4412 are shorter pot life, faster curing systems.

### HYSOL® ES4512

Hysol® ES4512 is a two-component, long pot life casting system with excellent handling properties. This low cost, flexible system is filled with a non-abrasive filler for machine metering/dispensing or regular hand mixer applications. Hysol® ES4512 is listed in U.L.'s recognized component index with 94V-0 rating in 1/8 inch cross section.

### HYSOL® US5517 (FORMERLY LOCTITE® 821101R & C)

Hysol® US5517 is an extended polybutadiene/MDI base; mineral filled, medium hardness, ambient cure urethane encapsulated/sealant. This material can be used for potting electronics or devices for protection against environmental hazards. It exhibits very little hardness increase when cooled down to -75°C. It can be used for devices in the telecommunications and automotive industries. This product is UL recognized with a rating of 94 V-0 File E94621. The 1 to 4 volume ratio makes meter-mix dispensing convenient.

### HYSOL® US5500 (FORMERLY LOCTITE® 82878R & C)

Hysol® US5500 is an unfilled, low viscosity, re-enterable potting and encapsulation compound. It is a mix ration friendly system. It is used to encapsulate electronics for automotive applications including under-the-hood. The low-glass transition temperature means that sensitive components are not damaged during low temperature exposure.

Cat. No.	Description	Net Price
<b>HYSOL® ES4212</b>		
EA4212B50	1 gallon can (2 part works with EB4212B50)	\$180.25
EB4212B50	1 gallon can (2 part works with EA4212B50)	230.85
EA4212B80	5 gallon pail (2 part works with EB4212B80)	657.15
EB4212B80	5 gallon pail (2 part works with EA4212B80)	799.76
<b>HYSOL® ES4412</b>		
EA4412B50	1 gallon can (2 part works with EB4412B50)	212.67
EB4412B50	1 gallon can (2 part works with EA4412B50)	256.17
EA4412B80	5 gallon pail (2 part works with EB4412B80)	715.03
EB4412B80	5 gallon pail (2 part works with EA4412B80)	986.56
<b>HYSOL® ES4512</b>		
EA4512B50	1 gallon can (2 part works with EB4512B50)	233.70
EB4512B50	1 gallon can (2 part works with EA4512B50)	287.44
EA4512B80	5 gallon pail (2 part works with EB4512B80)	831.88
EB4512B80	5 gallon pail (2 part works with EA4512B80)	1060.18
<b>HYSOL® US5500</b>		
UA5500B50A1	1 gallon can (2 part works with UB5500B50A1)	150.41
UB5500B50A1	1 gallon can (2 part works with UA5500B50A1)	200.43
UA5500B80A3	5 gallon pail (2 part works with UB5500B80A1)	656.65
UB5500B80A3	5 gallon pail (2 part works with UA5500B80A3)	663.23
<b>HYSOL® US5517</b>		
UA5517B50	1 gallon can (2 part works with UB5517B50)	309.50
UB5517B50	1 gallon can (2 part works with UA5517B50)	207.42

NOTE: For more information please contact your Electro Sonic sales representative.