

**HWE**

# Vibra-TITE®

THREADLOCKERS • THREAD SEALANTS  
RETAINING COMPOUNDS • LIQUID GASKETING  
CYANOACRYLATES • ANTI-SEIZE COMPOUNDS  
UV CURABLES • EPOXIES • AND MORE







## **A Company You Can Rely On**

Since 1955, ND Industries has been providing top quality fastening and assembly related products and services to a wide variety of industries including automotive, electronics, aerospace, appliance, and many more. ND's commitment to improvement has led to a continuous investment in the best equipment, facilities, and people to serve you.

## **Vibra-TITE<sup>®</sup> the bottled product division of ND Industries**

Vibra-Tite is one of the world's market leaders in anaerobics, cyanoacrylates, epoxies and ultraviolet technologies. Vibra-Tite is quickly becoming one of the most highly respected names in the adhesive industry. And, as a result of ND's low overhead expenses and in-house capabilities, Vibra-Tite products offer the same high quality and superior performance of other name brand products at a cost saving of **up to 40%.**



## **A Single-Source Supplier**

ND is a vertically integrated company and has achieved a unique position in today's market place with a wide range of products designed to seal, cushion, insulate, temporarily retain, and control noise and vibration. ND's high quality line of products, customer driven solutions and on-time-delivery is the reason why more companies are turning to ND as their single-source supplier.

## **A Global Presence**

ND owns and operates numerous facilities in North America. ND's latest state of the art expansion includes facilities in Taiwan and China with licensees located throughout the world. No matter where they are located, each ND facility is a fully supported member of the ND family dedicated to providing innovative, affordable fastening and assembly related products and services.





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# Vibra-TITE® THREADLOCKERS

- Locks and seals threaded fasteners
- Prevents loosening from shock and vibration
- Performs better than mechanical lockers
- Alleviates rust-lock
- Prevents leakage

To decrease set-up time, use Excel Primer N (Vibra-Tite 611) or Excel Primer T (Vibra-Tite 612) with all anaerobic threadlockers. See Vibra-Tite primer listing on page 22.



Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Color	Viscosity (cP)	Max Gap Fill (in)	Torque Strength, Break/Prevail (In LB.)	Temp Range	Fixture Time (min.)	Specific Gravity	Specs Met
111		222™	LOW STRENGTH								
11102	1.8 mL Bullet		Easy to remove - for fasteners smaller than 1/4" in diameter.	Purple	1200 - 5000 Thixotropic	0.007	75 / 25	-65°F to 300°F	10 - 30	1.05	MIL-S-46163A ASTM D-5363 NSF Non-Food
11110	10 mL Bottle	21463									
11150	50 mL Bottle	21464									
11125	250 mL Bottle										
11100	1L Jug										
121		242®	MEDIUM STRENGTH								
12102	1.8 mL Bullet		Removable Grade for fasteners 1/4" to 3/4" in diameter.	Blue	1200 - 5000 Thixotropic	0.007	120 / 45	-65°F to 300°F	10 - 30	1.07	MIL-S-46163A ASTM D-5363 NSF Non-Food
12110	10 mL Bottle	24221									
12150	50 mL Bottle	24231									
12125	250 mL Bottle	24241									
12100	1L Jug	24243									
122		243™	OIL TOLERANT								
12202	1.8 mL Bullet		Used on fasteners from 1/4" to 3/4" in diameter.	Blue	2250 - 12000 Thixotropic	0.015	195 / 70	-65°F to 300°F	5 - 10	1.08	
12210	10 mL Bottle	24077									
12250	50 mL Bottle	24078									
12225	250 mL Bottle	24079									
12200	1L Jug	21433									
123		246™	MEDIUM STRENGTH HI-TEMP OIL TOLERANT								
12350	50 mL Bottle	29514	Fasteners 1/4" to 3/4"	Blue	2600		170 / 50	450°F	5	1.15	ASTM D5363
125			MEDIUM STRENGTH GEL								
12508	8 mL Tube		Removable Grade for fasteners 1/4" to 3/4" in diameter.	Blue	Gel	0.015	120 / 45	-65°F to 300°F	10 - 30	1.1	
12535	35 mL Pump										
12550	50 mL Tube										
12516	16 oz Jar w/Brush										
131		262™	HIGH STRENGTH								
13102	1.8 mL Bullet		Permanently locks nuts and bolts up to 1" in diameter.	Red	1800 - 5000 Thixotropic	0.007	200 / 250	-65°F to 300°F	5 - 20	1.05	MIL-S-46163A ASTM D-5363 NSF Non-Food
13110	10 mL Bottle	26221									
13150	50 mL Bottle	26231									
13125	250 mL Bottle	26241									
13100	1L Jug	26243									
132		263™	HIGH STRENGTH PRIMERLESS, OIL TOLERANT								
13250	50 mL Bottle	1330585	Performs primerless on both inactive and active metals.	Red	400	0.007	275 / 290	-65°F to 360°F	5	1.1	ASTM D5363
135			HIGH STRENGTH GEL								
13508	8 mL Tube		Permanently locks nuts and bolts up to 1" in diameter.	Red	Gel	0.015	200 / 100	-65°F to 300°F	5 - 20	1.1	
13535	35 mL Pump										
13550	50 mL Tube										
13516	16 oz Jar w/Brush										
137		272™	HIGH TEMP / HIGH STRENGTH								
13750	50 mL Bottle	27240	Permanently locks nuts and bolts up to 1 1/2" in diameter.	Red	9500	0.007	300 / 250	-65°F to 450°F	5 - 60	1.11	
13725	250 mL Bottle	27270									
13700	1L Jug	27285									
140		271™	HIGH STRENGTH								
14002	1.8 mL Bullet		Permanently locks nuts and bolts up to 1" in diameter.	Red	500	0.007	250 / 275	-65°F to 300°F	10 - 30	1.10	MIL-S-46163A ASTM D-5363
14010	10 mL Bottle	27121									
14050	50 mL Bottle	27131									
14025	250 mL Bottle	27141									
14000	1L Jug	27143									
146		277™	LARGE DIAMETER / HIGH STRENGTH								
14602	1.8 mL Bullet		Permanently locks nuts and bolts up to 1 1/2" in diameter.	Red	7000	0.010	300 / 250	-65°F to 300°F	10 - 20	1.12	MIL-S-46163A ASTM D-5363
14610	10 mL Bottle	21434									
14650	50 mL Bottle	27731									
14625	250 mL Bottle	27741									
14600	1L Jug	27743									
150		290™	MEDIUM STRENGTH WICKING GRADE								
15002	1.8 mL Bullet		Used on pre-assembled fasteners up to 1/2" in diameter and porous die castings.	Green	12	0.004	85 / 250	-65°F to 300°F	5 - 20	1.08	MIL-S-46163A ASTM D-5363 NSF Non-Food
15010	10 mL Bottle	29021									
15050	50 mL Bottle	29031									
15025	250 mL Bottle	29041									
15000	1L Jug	29043									
325		425™	PLASTIC THREADLOCKER								
32502	1.8 mL Bullet		Small metal & plastic fasteners	Blue	80		4 / 2	180°F	2	1.10	
32520	20 g Bottle	1330585									



# Vibra-TITE®

## Threadlockers

**1.8 mL Resealable  
Bullet Tubes**  
**15-25 Applications  
in each Tube!**

**Vibra-Tite 111 Low Strength Threadlocker** that eliminates vibrational loosening and seals against leakage and corrosion. Ideal for use on assemblies requiring periodic adjustment. Typical uses include soft metal fasteners, precision screws, and locking fasteners smaller than 1/4" (6 mm) in diameter. **COMPETES WITH LOCTITE® 222™**

**Vibra-Tite 121 Medium, Removable Strength Threadlocker** that seals nuts and bolts allowing disassembly using standard tools. Typical uses include locking nuts or bolts from 1/4" to 3/4" (6-20 mm) in diameter. **COMPETES WITH LOCTITE® 242®**

**Vibra-Tite 122 Medium Strength Threadlocker** with greater oil tolerance. Typical uses include locking nuts or bolts ranging from 1/4" to 3/4" (6-20 mm) in diameter. **COMPETES WITH LOCTITE® 243™**

**Vibra-Tite 123 Medium Strength Hi-Temp Oil Tolerant Threadlocker.** Typical uses include locking nuts or bolts ranging from 1/4" to 3/4" (6-20 mm) in diameter at continuous temperatures up to 450°F. **COMPETES WITH LOCTITE® 246™**

**Vibra-Tite 131 High Strength Threadlocker** for maximum security suitable for most applications where disassembly is not required. Designed to withstand extreme environmental conditions and chemical exposure. Ideal for the prevention of rust and corrosion. Typical uses include permanently locking nuts or bolts up to 1" in diameter. Heat and hand tools are needed for disassembly. **COMPETES WITH LOCTITE® 262™**

**Vibra-Tite 132 High Strength Threadlocker** For permanently locking or sealing nuts and bolts up to 1" diameter. Primerless formula will cure even on passive materials such as stainless steel. **COMPETES WITH LOCTITE® 263™**

**Vibra-Tite 137 High Strength Threadlocker** for maximum security that withstands temperatures to 450° F. Typical uses include bolts up to 1 1/2" in diameter. Heat and hand tools are needed for disassembly. **COMPETES WITH LOCTITE® 272™**

**Vibra-Tite 140 High Strength Threadlocker** for maximum security. Suitable for most applications where disassembly is not required. Typical uses include permanently locking nuts or bolts up to 1" (25 mm) in diameter. Heat and hand tools are needed for disassembly. **COMPETES WITH LOCTITE® 271™**

**Vibra-Tite 146 High Strength Threadlocker** for permanently locking nuts or bolts up to 1 1/2" in diameter. Heat and hand tools are needed for disassembly. **COMPETES WITH LOCTITE® 277™**

**Vibra-Tite 150 Wicking Grade, Medium Strength Threadlocker** designed specifically for use on pre-assembled connections. Seals small gaps through capillary action. Typical uses include pre-assembled fasteners up to 1/2" in diameter and porous die castings. Protects welds from rust and corrosion. Hand tools are needed for disassembly. **COMPETES WITH LOCTITE® 290™**

**Vibra-Tite 325 Plastic Threadlocker** is designed to be a low strength, fast curing material for small metal or plastic fasteners. Vibra-Tite 325 fixtures within 2 minutes and fully cures within 24 hrs. **COMPETES WITH LOCTITE® 425™**

Vibra-Tite Threadlockers lock and seal threaded fasteners. Liquid threadlockers are considered to be the most effective method of locking threaded fasteners because they unitize the entire assembly. They perform better than traditional mechanical devices such as lock washers preventing any loosening from shock and vibration.

### Low Strength

For soft metal fasteners. Locks fasteners smaller than 1/4" in diameter.



### Medium Strength

Locks nuts and bolts larger than 1/4" in diameter.



### High Strength

Permanently locks nuts and bolts larger than 1/4" in diameter.



### Wicking Grade

Pre-assembled fasteners and porous die castings.



# Vibra-TITE® THREADLOCKERS



# Vibra-TITE®

## Threadlockers

**100 ct. 1.8 mL Bullet Tubes  
in handy counter-top  
fishbowl display.**

Available with 121 and 131 threadlockers.



Part #12199  
Vibra-Tite 121\* Fishbowl  
with 100 ct. 1.8 mL Bullet Tubes  
Medium Strength Threadlocker  
\*COMPETES WITH LOCTITE® 242®



Part #13199  
Vibra-Tite 131\* Fishbowl  
with 100 ct. 1.8 mL Bullet Tubes  
Permanent Strength Threadlocker  
\*COMPETES WITH LOCTITE® 262™

#13535 High Strength Threadlocker Gel

#12535 Medium Strength Threadlocker Gel

Part #13535  
High Strength  
Threadlocker in 35 mL  
pump dispenser.

Part #12535  
Medium Strength  
Threadlocker in 35 mL  
pump dispenser.



No Mess!  
No Waste!  
No-drip!  
Provides complete coverage  
every time!





**Not an Adhesive!**  
**Not an Anaerobic!**

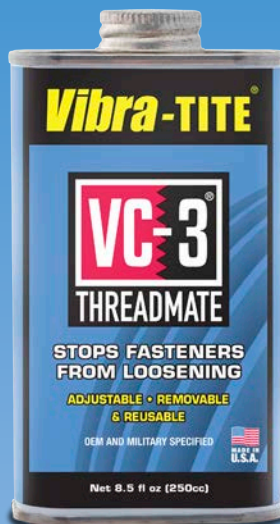
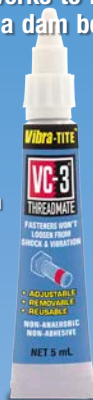
**Vibra-TITE®**



**Vibra-Tite® VC-3® Threadmate** is a powerful locking and sealing coating for threaded fasteners that works on the principle of “friction through viscosity”. Vibra-Tite VC-3 Threadmate utilizes a special blend of acrylic resins to prevent fasteners from loosening even under the stress of prolonged and extreme shock and vibration. Vibra-Tite VC-3 also works to resist leakage at fastening points by acting as a dam between mated threads.

Available sizes:

- #21302 | 1 mL Pillow Pack
- #21305 | 5 mL Tube
- #21330 | 30 cc Bottle w/Brush
- #21325 | 250 cc Can



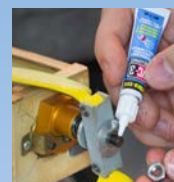
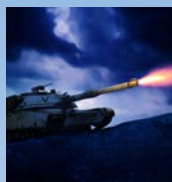
## One Tough Application!

- Stops fasteners from loosening from extreme shock and vibration
- Works with metal, wood, pp and ppe plastics and more
- Fasteners are easily adjusted, removed and reused
- Works on fasteners of any shape or size, from tiny eyeglass screws to large construction bolts
- Works with internal or external threads

This product is approved by TACOM\*

for use on the U.S. Army's main battle tank!

\*US Army Tank-automotive and Armaments Command Part# 11663357



## Vibra-Tite® VC-3® Threadmate Specifications

Container size (manual application)	1 mL, 1oz. (30 cc), 8 oz. (250 cc), or larger containers
Color	Red (custom colors can be manufactured dependent on quantity)
Solvent	Methyl ethyl ketone. Also available in Ethyl Acetate, Methyl Propyl Ketone & Dimethyl Carbonate
Cured form	Resilient plastic
Shelf life	Indefinite (under ideal storage conditions)
Chemical resistance	Offers resistance to most solvents (acts as a partial corrosion barrier)
Dries to touch	In several minutes
Dries for use	10-30 minutes. For critical applications 24 hrs is recommended.
Drying method for bulk production	Best achieved using considerable airflow in addition to temperature not exceeding 130°F
Operational temperature range	-65°F to +165°F (-54°C to +74°C) For other temperature applications, please consult factory
Reusable	5 or more times
Engagement torque	Moderate
Breakaway	No distinct break; slow, fluid release as material cold flows
Standard coating length	1 to 1 1/2 times diameter
Lead thread requirement	None
Thread fill requirement	30 – 50% of the thread root area

Note: See MSDS for Safety & Material Handling Instructions

Vibra-Tite VC-3 Threadmate meets or exceeds the performance requirements of the following specifications and/or standards:

### MILITARY:

- Lockheed Martin: 11663357, CAGE # 18876, P5407, 507-13-410, P5407, P5407-1
- General Dynamics: 13233419
- Harris Corporation: DWG. P30-0013
- National Stock Number: 8030-00-163-5792
- Naval Sea Sys Comm: 5174855
- Raytheon: DWG. 998730
- US Army Missile Comm: P5407-1, MIS-28867A
- US Air Force: #19207
- US Army Tank Automotive Command GD: #11663357

### OEM:

- Allied Signal: PCS5618, EMS73314
- Atlanta Research: SP 10234
- Delphi: 00047127
- Detroit Diesel: 9S244
- Grumman Aerospace: GF105VP
- Leco Corporation: 764-709
- Meritor (Rockwell): 005-2308-010

(800) 606-4466 [www.HWECKHARDT.com](http://www.HWECKHARDT.com)

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**Vibra-TITE® THREADLOCKERS**

# Vibra-TITE®

## THREAD SEALANTS

- Seals and secures metal pipes and fittings
- Fills the space between threaded metal parts
- Prevents leakage caused by tape shredding, vibration loosening, solvent evaporation, or damaged threads
- Prevents corrosion and galling of threads
- Low and high pressure applications
- Seals to burst strength of most piping systems
- Facilitates assembly
- Service removable



Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Color	Viscosity (cP)	Max Gap Fill (in)	Sealing Pressure (PSI)	Temp Range	Fixture (min.)	Suggested Primer	Specs Met
420		565™/592™	CONTROLLED STRENGTH - SLOW CURE								
42050 42025 42016 42000	50 mL Tube 250 mL Tube 16oz Jar w/brush 1L Jug	56531 /59231 56541/59241  56543/59243	Industrial grade, controlled locking strength, metal fittings. High temp & high performance. Gasoline resistant.	White	150,000 - 550,000 Paste	0.012	10,000	-65°F to 300°F	60	611 or 612	
427		577™	MEDIUM STRENGTH - STAINLESS STEEL								
42750 42725	50 mL Tube 250 mL Tube	21456	High Performance Sealant.	Yellow	420,000	0.012	10,000	-65°F to 300°F	90	611 or 612	
440		545™	PNEUMATIC / HYDRAULIC SEALANT								
44002 44010 44050 44025 44000	1.8 mL Bullet 10 mL Bottle 50 mL Bottle 250 mL Bottle 1L Jug	 32429 54531 54541	Pneumatic and hydraulic sealant for fluid, power and gas system connections.	Purple	16,000	0.007	10,000	-65°F to 300°F	30	611 or 612	
442		5452™	HYDRAULIC FAST CURE SEALANT								
44250	50 mL Tube	1265769	Gel formula. Fast curing.	Purple	29,000 - 200,000		10,000	-65°F to 300°F		611 or 612	
444		569™	HYDRAULIC SEALANT - HIGH PRESSURE								
44410 44450 44425 44400	10 mL Bottle 50 mL Bottle 250 mL Bottle 1L Jug	 56931 56941 56943	Hydraulic sealant, non shrink, high vibration and shock resistant.	Brown	300 - 500	0.007	10,000	-65°F to 300°F	10	612	
446		554™	REFRIGERANT SEALANT - HIGH PRESSURE								
44610 44650 44625 44600	10 mL Bottle 50 mL Bottle 250 mL Bottle 1L Jug	25882  55441	Refrigerant sealant. Maximum solvent resistance.	Red	6000 - 8000		10,000	-65°F to 300°F	10	611 or 612	
460		567™	HIGH TEMPERATURE - STAINLESS STEEL								
46006 46050 46025 46016 46000	6 mL Tube 50 mL Tube 250 mL Tube 16 oz Jar w/brush 1L Jug	56707 56747 56765 33241 56790	General purpose. For stainless steel and other inert metal threaded pipes and fittings. Gasoline resistant.	White	350,000	0.012	10,000	-65°F to 400°F	60	611 or 612	GM 1182607
480			MULTI-PURPOSE - FBC COMPATIBLE								
48004 48008 48016	4 oz Jar w/brush 8 oz Jar w/brush 16 oz Jar w/brush		PTFE non-hardening and non-toxic thread sealant for use in potable water systems.	White	160,000 -260,000		10,000	-35°F to 500°F	n/a	n/a	
486			MULTI-PURPOSE - NON HARDENING								
48604 48608 48616	4 oz Jar w/brush 8 oz Jar w/brush 16 oz Jar w/brush		Non-Curing Thread Sealant with PTFE. Used to seal against many liquids and gases both under pressure and vacuum.	Off White	25,000 - 100,000		5,000	-65°F to 300°F	n/a	n/a	



# Vibra-TITE®

## Thread Sealants

**Vibra-Tite 420 PTFE Instant Pipe Sealant - Industrial Grade** with controlled lubricity, prevents galling while protecting from corrosion and rust. Parts may be repositioned up to 24 hours after assembly. Typical uses include stainless steel and all other metal fittings. **COMPETES WITH LOCTITE® 565™/592™**

**Vibra-Tite 427 Medium Strength - Stainless Steel Pipe Sealant** with high viscosity, locks and seals threaded fittings with high performance withstanding temperatures up to 300°F (149°C). Suitable for stainless steel. **COMPETES WITH LOCTITE® 577™**

**Vibra-Tite 440 Hydraulic & Pneumatic High Pressure Sealant** with excellent solvent resistance. It locks hydraulic and pneumatic connections producing a high strength, high pressure seal, while allowing easy disassembly with standard tools. Typical uses include pneumatic fittings, small pipe threads, and hydraulic fittings up to 2" in diameter. **COMPETES WITH LOCTITE® 545™**

**Vibra-Tite 442 Hydraulic Fast Cure Sealant** is a fast curing gel thread sealant which withstands temperatures up to 300°F (149°C). **COMPETES WITH LOCTITE® 5452™**

**Vibra-Tite 444 Hydraulic High Pressure Sealant** is a general purpose pipe sealant that creates an instant seal on threaded joints with a high resistance to solvents and withstands temperatures to 300°F (149°C). Typical uses: Small pipe threads and hydraulic fittings. **COMPETES WITH LOCTITE® 569™**

**Vibra-Tite 446 High Pressure Sealant - Refrigerant Sealant** provides excellent resistance to solvents on threaded pipes and fittings up to 3" in diameter. Typical uses include refrigeration systems and service with volatile chemicals. **COMPETES WITH LOCTITE® 554™**

**Vibra-Tite 460 High Temperature - Stainless Steel Pipe Sealant** prevents galling and provides an instant low pressure seal on coarse fitting threads which is further strengthened as the product cures. Assembled parts can withstand temperatures up to 400°F (204°C) and may be repositioned up to 24 hours after assembly. Typical uses include stainless steel, aluminum, galvanized metal and other inert metal threaded pipe fittings. **COMPETES WITH LOCTITE® 567™**

**Vibra-Tite 480 Multi-Purpose - FBC Compatible Thread Sealant** with PTFE is designed to lubricate and seal threaded connections. A non-curing and non-toxic formula, Vibra-Tite 480 contains no lead or harmful metals and can be used in potable water systems.

**Vibra-Tite 486 Multi-Purpose Thread Sealant** with PTFE is a creamy white paste for general purpose pipe and thread sealing. Typical applications include sealing threaded pipes, pipe fittings and flanges to seal against liquids and gases.

### Benefits:

- Lubricates during assembly
- Seals regardless of assembly torque
- Seals to the burst rating of the pipe
- Provides controlled disassembly torque
- Easy dispensing
- Good chemical and temperature resistance, 300°F (150°C)
- Instant seal
- Seals and secures metal fittings

### Typical Applications:

- Fire protection industry
- Chemical processing industry
- Petroleum refining industry
- Waste treatment facilities
- Utilities and power generation
- Gas compression and distribution
- Automotive and industrial equipment

## Vibra-Tite Thread Sealants

seal and secure metal pipes and fittings, by filling the space between threaded metal parts. Thread sealants prevent leakage caused by tape shredding, vibration loosening, solvent evaporation, and damaged threads. Vibra-Tite products are designed for both low and high pressure applications. Thread sealants seal to the burst strength of most piping systems. Because of the lubricating properties, Vibra-Tite thread sealants make it easy to assemble fittings as well as prevent galling of the threads. For repairs, parts may be disassembled with basic hand tools.



Vibra-TITE® THREAD SEALANTS

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# Vibra-TITE®

## RETAINING COMPOUNDS

- Increases the shear strength on non-threaded cylindrical metal assemblies
- Fills voids between close-fitting metal assemblies
- Creates a solid one-piece assembly
- Seals joints against leakage
- Prevents corrosion
- UV / Blacklight indicator



Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Viscosity (cP)	Max Gap Fill (in)	Shear Strength (PSI)	Temp Range	Fixture Time (min.)	Specific Gravity	Suggested Primer	Specs Met
<b>530</b>		<b>675™/609™</b>	<b>GENERAL PURPOSE - GREEN</b>								
53002	1.8 mL Bullet		General purpose for: rotors, augment press fits, shafts, bushings, bearings and pulleys.	125	0.005	2300+	-65°F to 300°F	10 - 20	1.10	611 or 612	MIL-R-46082 ASTM D-5363 GM-1183024
53010	10 mL Bottle	60921									
53050	50 mL Bottle	60931									
53025	250 mL Bottle	60941/67541									
53000	1 L Jug	60943									
<b>535</b>			<b>GENERAL PURPOSE GEL - GREEN</b>								
53550	50 mL Tube		High strength no drip anaerobic gel with good temperature and solvent resistance.	Gel	0.015		-65°F to 300°F	5 - 10	1.09	611 or 612	
53525	250 mL Tube										
<b>538</b>		<b>638™</b>	<b>HIGH STRENGTH - GREEN</b>								
53850	50 mL Bottle	21448	High strength for loose fitting parts.	2500	0.015	4000+	-65°F to 300°F	5	1.09	611 or 612	
53825	250 mL Bottle	21449									
53800	1 L Jug										
<b>541</b>		<b>680™</b>	<b>HIGH STRENGTH - SLIP FIT - GREEN</b>								
54102	1.8 mL Bullet		High strength gap filling. Permanently retains slip-fit. For: rotors, shafts, impellers, and splines.	1200	0.015	3000+	-65°F to 300°F	20-40	1.11	612	NSF Non-Food
54110	10 mL Bottle	68015									
54150	50 mL Bottle	68035									
54125	250 mL Bottle	68060									
54100	1 L Jug	68090									
<b>542</b>		<b>635™</b>	<b>HIGH STRENGTH - LARGE GAP - GREEN</b>								
54202	1.8 mL Bullet		High viscosity permits larger machine tolerances. For: rotors, shafts, impellers and splines.	2000	0.015	4000+	-65°F to 300°F	20-40	1.05	612	MIL-R-46082 ASTM D-5363
54210	10 mL Bottle										
54250	50 mL Bottle	63531									
54225	250 mL Bottle	63541									
54200	1 L Jug										
<b>546</b>		<b>N/A</b>	<b>IMPACT RESISTANT - GREEN</b>								
54650	50 mL Bottle		Flexible for impact resistance.	600	0.015	2000+	-65°F to 300°F	20-40	1.09	611	
54625	250 mL Bottle										
54600	1 L Jug										
<b>548</b>		<b>648™</b>	<b>RAPID CURING - GREEN</b>								
54850	50 mL Bottle	21444	Fast fixturing for close fitting parts, high strength for stainless steel.	500	0.007	3500+	-65°F to 350°F	5	1.09	611 or 612	
54825	250 mL Bottle	21445									
54800	1 L Jug										
<b>550</b>		<b>540™</b>	<b>CORE PLUG SEALANT - BLUE</b>								
55050	50 mL Bottle		Designed to be used on freeze, core, and cup plug applications.	8500	0.02	2300+	-65°F to 300°F	10 - 20	1.09	611	
55000	1 L Jug	11358									
<b>560</b>		<b>640™</b>	<b>HIGH TEMPERATURE - FAST SET - GREEN</b>								
56002	1.8 mL Bullet		High temperature fast setting for: rotors, shafts, bushings, bearings and pulleys.	600	0.007	3000+	-65°F to 400°F	5 - 60	1.12	611 or 612	MIL-R-46082 ASTM D-5363
56010	10 mL Bottle										
56050	50 mL Bottle	64031									
56025	250 mL Bottle	64041									
56000	1 L Jug										
<b>566</b>		<b>660™</b>	<b>GAP FILLING - FOR WORN PARTS - GREY</b>								
56650	50 mL Tube		High viscosity, press-fit, slip-fit.	Paste	0.020	2400+	-65°F to 350°F	30-45	1.04	611 or 612	
<b>567</b>		<b>620™</b>	<b>HIGH TEMPERATURE - LARGE GAP - GREEN</b>								
56702	1.8 mL Bullet		High temperature gap filling for: rotors, shafts, bushings, bearings and pulleys.	7000	0.015	3500+	-65°F to 450°F	20 - 30	1.16	611 or 612	GM-1183024
56710	10 mL Bottle										
56750	50 mL Bottle	62015									
56725	250 mL Bottle	62040									
56700	1 L Jug	62070 62085									



# Vibra-TITE®

## Retaining Compounds

**Vibra-Tite 530 General Purpose Retaining Compound** bonds metal assemblies. A low viscosity retaining compound recommended for diametral gap distances up to 0.005" to augment press fits. Withstands temperatures of up to 300° F providing a shear strength of 3,000 psi after 24 hours with a fixture time of 10 minutes. Typical uses: Rotors, shafts, bushings, bearings, and pulleys. **COMPETES WITH LOCTITE® 609™/675™**

**Vibra-Tite 538 High Strength Retaining Compound** provides maximum strength for use where high dynamic force or cyclic loading is anticipated. **COMPETES WITH LOCTITE® 638™**

**Vibra-Tite 541 High Strength Retaining Compound** cures in room temperatures filling diametral gaps up to 0.015". Typical uses include fitted cylindrical parts replacing set screws, clamp rings, and snap rings. It provides a shear strength greater than 3,000 psi after 24 hours with a fixture time of 10 minutes. **COMPETES WITH LOCTITE® 680™**

**Vibra-Tite 542 High Strength Retaining Compound** is a high viscosity retaining compound that allows parts to be adjusted during assembly. It provides a shear strength greater than 4,000 psi. Typical uses include slip fit components, rotors, shafts, impellers, and splines. **COMPETES WITH LOCTITE® 635™**

**Vibra-Tite 546 Substantial Impact Resistance** flexible for high shock/impact performance from hub to rotor.

**Vibra-Tite 548 Press Fit / Rapid Cure** works with continuous operating temperatures up to 350°F. Provides a shear strength greater than 3,500 psi. **COMPETES WITH LOCTITE® 648™**

**Vibra-Tite 550 Core Plug Sealant** is designed to be used on freeze, core, and cup plug applications. A thixotropic formula, it lends itself well to vertical dispensing. **COMPETES WITH LOCTITE® 540™**

**Vibra-Tite 560 High Temperature Retaining Compound** is a high temperature (400°F / 204°C), high strength adhesive for retention of cylindrical components, where disassembly is not required on press-fit assemblies. It provides a shear strength greater than 3,000 psi. Typical uses: Rotors, shafts, bushings, bearings, and pulleys with temperatures up to 400°F. **COMPETES WITH LOCTITE® 640™**

**Vibra-Tite 566 Gap Filling Compound** is designed for use on worn cylindrical parts where tolerances are poor. **COMPETES WITH LOCTITE® 660™**

**Vibra-Tite 567 High Temperature Retaining Compound** locks metal cylindrical assemblies with diametral clearances up to 0.015". Provides a shear strength greater than 3,500 psi on steel sealing against leakage while preventing corrosion. Typical uses: Rotors, shafts, bushings, bearings, and pulleys. **COMPETES WITH LOCTITE® 620™**

### Benefits:

- Reduce machining costs
- Press/Shrink fits can be replaced with slip fits
- No expensive finishes required
- Increase mechanical strength of the assembly
- 100% surface contact
- Retains and seals, eliminates corrosion and seizure
- Restore fit to worn or out-of-tolerance assemblies
- Eliminate part replacement
- Part distortion is eliminated

### Typical Applications:

- Mount bearings in housings or shafts
- Mount motors, gears, sprockets and pulleys on shafts
- Retain cylindrical linings
- Replace keys and set screws
- Augment slip fits
- Lock keyways
- Secure splines, bushings, bearings, oil seals, water pumps core plugs and more

**Vibra-Tite Anaerobic Retaining Compounds** are designed to increase shear strength on non-threaded, cylindrical metal assemblies. The liquid anaerobic material fills voids between close-fitting metal assemblies. It cures to a toughened thermoset-plastic which creates a solid one piece assembly. Retaining compounds seal joints against leakage and prevent corrosion. These materials have gained wide acceptance as a standard method for assembling press-fit and slip-fitted parts.



**Vibra-TITE® RETAINING COMPOUNDS**

# Vibra-TITE<sup>®</sup>

## ANAEROBIC GASKETING



### Benefits:

- Remains liquid when exposed to air
- Cures when confined between mating flanges
- Can fill gaps as large as 0.050
- Alleviates the need for preformed gaskets

### Typical Applications:

Can be used as a form-in-place gasket:

- Thermostats
- Pumps
- Gearboxes
- Compressors
- Transmission housings
- Axle covers

Vibra-Tite Part #	Available Sizes	LOCTITE <sup>®</sup> Part#	Product Description	Color	Viscosity (cP)	Max Gap Fill (in)	Temperature Range	Cure Speed	Primer	Specs Met
<b>709</b>		<b>509<sup>™</sup></b>	<b>FLEXIBLE GASKET MAKER</b>							
70950 70930	50 mL Tube 300 mL Cart	21525	Flexible flange sealant resists vibration. Fluorescent blue color aids visual assembly inspections.	Blue	65,000 - 200,000 Thixotropic	Unprimed: 0.010 Primed: 0.020	-65°F to 300°F	Unprimed: 6-48hrs Primed: 1-6hrs	611 or 612	
<b>710</b>		<b>510<sup>™</sup></b>	<b>HIGH TEMPERATURE RIGID FLANGE SEALANT</b>							
71050 71025 71030	50 mL Tube 250 mL Tube 300 mL Cart	51031 51041 51074	High temperature rigid flange sealant withstands temperatures up to 400°F.	Pink	188,000 - 500,000 Thixotropic	Unprimed: 0.010 Primed: 0.020	-65°F to 400°F	Unprimed: 4-24hrs Primed: 30min-4hrs	611 or 612	
<b>724</b>		<b>574<sup>™</sup></b>	<b>FAST FLANGE SEALANT</b>							
72450 72425	50 mL Tube 250 mL Tube	24018 26338	Provides fast low pressure sea.	Orange	62,000 - 300,000 Thixotropic	Unprimed: 0.010 Primed: 0.020	-65°F to 300°F	Unprimed: 4-24hrs Primed: 30min-4hrs	611	
<b>730</b>		<b>518<sup>™</sup></b>	<b>FLEXIBLE GASKET MAKER - SOLVENT RESISTANT</b>							
73050 73025 73030	50 mL Tube 250 mL Tube 300 mL Cart	51831 51845	Suitable for aluminum and rigid machined flanges.	Red	800,000 - 3,750,000 Thixotropic	Unprimed: 0.010 Primed: 0.020	-65°F to 300°F	Unprimed: 1-12hrs Primed: 15min-2hrs	611	GM-1182863
<b>732</b>		<b>515<sup>™</sup></b>	<b>FLEXIBLE GASKET MAKER</b>							
73250 73225 73230	50 mL Tube 250 mL Tube 300 mL Cart	51531 51580	General purpose gasket maker that flexes with flanges.	Purple	275,000 - 950,000 Thixotropic	Unprimed: 0.010 Primed: 0.020	-65°F to 300°F	Unprimed: 4-24hrs Primed: 30min-4hrs	611	

## RTV SILICONE GASKET MAKERS

Designed for use in mechanical assemblies, RTV Silicones create a "formed-in-place" gasket with excellent resistance to temperature, moisture, vibration, and weathering. RTV Silicones can eliminate the need for costly cut gaskets.

- Adhesion to many substrates
- Withstands extreme temp. cycling
- Excellent chemical resistance
- One-part formulation
- Room temperature cure
- Extremely flexible



Vibra-Tite Part #	Available Sizes	LOCTITE <sup>®</sup> Part #	Color	Cure Type	Temperature Range °F
992		5920 <sup>™</sup>			
99280 99230 99291	80 mL 300 mL 4.5 gal	82046	Copper	Oxime	-65 to 700
993		5900 <sup>™</sup>			
99330 99391	300 mL 4.5 gal	20166	Heavy Body Black	Oxime	-75 to 500
995		595 <sup>™</sup>			
99507 99580 99530 99591	1.5 oz 80 mL 300 mL 4.5 gal	80242 59575	Clear	Acetoxy	-65 to 450
996		596 <sup>™</sup>			
99680 99630 99691	80 mL 300 mL 4.5 gal	59675	Red	Acetoxy	-75 to 650
997		587 <sup>™</sup>			
99780 99730 99791	80 mL 300 mL 4.5 gal	58775	Blue	Oxime	-65 to 500
998		598 <sup>™</sup>			
99880 99830 99891	80 mL 300 mL 4.5 gal	59875	Black	Acetoxy	-65 to 500
999		5999 <sup>™</sup>			
99980 99930 99991	80 mL 300 mL 4.5 gal	18581	Grey	Oxime	-65 to 500



# Vibra-TITE®

## ANTI-SEIZE COMPOUNDS

Anti-Seize lubricants are specially formulated to prevent seizing, galling, pitting, excessive wear, and corrosion. It will not wash, squeeze or burn out, even at elevated temperatures and pressure.

### Benefits:

- Eases assembly and disassembly
- Reduces friction and wear
- Protects assemblies from corrosion
- Withstands high temperatures and pressures

### Typical Applications:

- Gears, Chains, Cables, Sprockets, Fastener Threads



Includes Brush-Cap Applicator

Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Color	Viscosity (cP)	Temp Resistance	K-Value	Specs Met
906 MARINE GRADE ANTI-SEIZE WITH MOLY								
90616	16oz Jar w/brush		Protects assemblies exposed to fresh and salt water. Works well in high-humidity conditions. Contains no metals and is not a marine pollutant. Effective under extreme pressures.	Grey	100,000 Paste	2600°F	0.17	MIL-PRF-907E
9070 Silver ALUMINUM ANTI-SEIZE COMPOUND								
90702	1.8 mL Bullet		Lubricant ideal for all metals to prevent seizing, galling and excessive wear. Resists harsh chemical environments. Consists of fine flakes of aluminum and graphite suspended in a blend of lubricants and oils.	Silver	120,000 - 175,000 Paste	1800°F	0.15	MIL-PRF-907F GM-6108M
90704	4oz Jar w/Brush	80209						
90708	8oz Jar w/Brush	76732						
90706	16oz Jar w/Brush	76764						
90700	1 gal							
90705	5gal Plastic Pail	76775						
90707	100 pc fishbowl							
9071 C5-A® COPPER ANTI-SEIZE COMPOUND								
90712	1.8 mL Bullet		Ideal for use on softer metal parts such as copper and brass. Protects from rust and corrosion as well as prevents seizing, galling and excessive wear. Excellent resistance to harsh chemical environments. Consists of fine flakes of copper and graphite suspended in a blend of lubricants and oils.	Copper	120,000 - 175,000 Paste	1800°F	0.15	MIL-PRF-907F
90714	4oz Jar w/Brush	51144						
90718	8oz Jar w/Brush	51147						
90716	16oz Jar w/Brush	51007						
90710	1gal							
90715	5gal Plastic Pail							
9072 Nickel NICKEL ANTI-SEIZE COMPOUND								
90722	1.8 mL Bullet		Lubricant ideal for extreme temperatures. Copper and graphite free base. Resistant to harsh chemical environments. Excellent for stainless steel and other metal fittings.	Nickel	350,000 - 500,000 Paste	2600°F	0.15	MIL-PRF-907F
90724	4oz Jar w/Brush							
90728	8oz Jar w/Brush	77124						
90726	16oz Jar w/Brush	77164						
90720	1 gal							
90725	5gal Plastic Pail	77175						
90727	100 pc fishbowl							
908 FOOD GRADE ANTI-SEIZE								
90816	16oz Jar w/brush		Vibra-Tite Food Grade Anti-Seize is specifically developed for use in applications where incidental food contact is possible. Protects metal parts from seizure, galling, rust, corrosion and heat freeze by adhering to the metal surface.	White	122,000 Paste	1800°F	0.15	MIL-PRF-907F NSF (H1)
90800	1 Gal							

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Vibra-TITE® GASKETING & LUBRICATING

# Vibra-TITE<sup>®</sup> CYANOACRYLATES

are single-part clear adhesives that rapidly polymerize at room temperature and develop strength extremely fast (fixture 0 to 60 seconds). They are initiated by moisture on the parts surface or by accelerators.



Vibra-Tite Part #	Available Sizes	LOCTITE <sup>®</sup> Part#	Product Description	Viscosity (cP)	Max Gap Fill (in.)	Shear Strength (PSI)	Temp Range °F	Fixture Time	Specific Gravity	Base	Specs Met
<b>GENERAL PURPOSE</b>											
<b>300</b>	<b>General Purpose - Clear</b>										
30002 30028 30054	1.8 mL Bullet 1 oz Tube 1 lb Bottle		A single component medium viscosity cyanoacrylate adhesive.	150 - 300	0.006	3200	-65 to 200	20sec	1.06	Ethyl	A-A3097 Type II - Class 2
<b>304</b>	<b>404<sup>TM</sup></b>	<b>General Purpose - O-Ring Bonder - Clear</b>									
30402 30410 30428 30454	1.8 mL Bullet 1/3 oz Bottle 1 oz Bottle 1 lb Bottle	46551 46561	A single component, low to medium viscosity cyanoacrylate adhesive.	80 - 100	0.005	3200	-65 to 200	20sec	1.06	Ethyl	A-A3097 Type II - Class 2
<b>309</b>	<b>409<sup>TM</sup></b>	<b>General Purpose Gel - Clear</b>									
30903 30920 30922	3 gm Tube 20 gm Tube 200 gm Tube	40904 40945 40974	A single component high viscosity gel cyanoacrylate adhesive. Ideal for bonding porous materials.	9,500 - 12,500	0.01	3500	-65 to 200	75sec	1.06	Ethyl	A-A3097 Type II - Class 5
<b>314</b>	<b>414<sup>TM</sup></b>	<b>Plastic Bonder - Clear</b>									
31402 31428 31454	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	41450 41461	A single component low to medium viscosity cyanoacrylate.	110	0.006	3200	-65 to 200	20sec	1.05	Ethyl	A-A3097 Type II - Class 2
<b>316</b>	<b>416<sup>TM</sup></b>	<b>Gap Filling Plastic Bonder - Clear</b>									
31602 31628 31654	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	41650 41661	A medium to high viscosity cyanoacrylate with extended drying times for filling large gaps.	1500 - 2100	0.008	3200	-65 to 200	40sec	1.05	Ethyl	A-A3097 Type II - Class 3
<b>320</b>	<b>420<sup>TM</sup></b>	<b>Wicking Type Plastic Bonder - Clear</b>									
32002 32028 32054	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	42050 42061	A fast setting wicking grade adhesive ideal for bonding preassembled parts.	1 - 3	0.002	3200	-65 to 200	10sec	1.06	Ethyl	A-A3097 Type II - Class 1
<b>321</b>	<b>Fast Wicking Grade - Clear</b>										
32128 32154	1 oz Bottle 1 lb Bottle		A single component low viscosity cyanoacrylate adhesive.	3	0.002	3200	-65 to 200	5sec	1.06	Ethyl	
<b>322</b>	<b>422<sup>TM</sup></b>	<b>Gap Filling Plastic Bonder - Clear</b>									
32202 32228 32254	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	42250 42261	A single component high viscosity cyanoacrylate adhesive with a quicker setting speed than most high viscosity materials.	1500 - 2100	0.008	3400	-65 to 200	40sec	1.06	Ethyl	A-A3097 Type II - Class 3
<b>344</b>	<b>444<sup>TM</sup></b>	<b>Wire Tacking - Clear / Fluorescent</b>									
34402 34428 34454	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	12294	Designed for general purpose bonding on all types of substrates where gap filling is required.	600 - 850	0.002	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 3
<b>362</b>	<b>498<sup>TM</sup></b>	<b>Thermal Cycling - Clear</b>									
36202 36220 36254	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	49861	A single component high viscosity cyanoacrylate adhesive with a quick setting speed.	1500 - 2100	0.006	3400	-65 to 200	40sec	1.06	Ethyl	A-A3097 Type II - Class 3
<b>381</b>	<b>382<sup>TM</sup></b>	<b>Gap Filling - Wire Tacking - Clear</b>									
38102 38120 38128 38154	1.8 mL Bullet 20 gm Bottle 1 oz Bottle 1 lb Bottle		A high viscosity cyanoacrylate adhesive for electronics. Offers gap-filling and thermal cycling resistance.	4000-5000	0.008	3500	-65 to 200	<30sec	1.06	Ethyl	
<b>395</b>	<b>495<sup>TM</sup></b>	<b>General Purpose - Clear</b>									
39502 39528 39554 39599	1.8 mL Bullet 1 oz Bottle 1 lb Bottle 100 pc fishbowl	49550 49561	A single component low viscosity cyanoacrylate adhesive. Suitable for general-purpose applications on metals rubbers and plastics.	30 - 70	0.004	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 1



## 1.8 mL Resealable Bullet Tubes (15-20 Applications in Each Tube)

### Typical Bonding Applications:

- Circuit board wires
- Ceramic, fabric, metal and leather bonding
- Molded parts such as automotive weather stripping, wiper blades
- Speaker cones
- Equipment identification tags
- Control panel switches
- Rubber pads for equipment base or legs



## CYANOACRYLATES

Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Viscosity (cP)	Max Gap Fill (in.)	Shear Strength (PSI)	Temp Range °F	Fixture Time	Specific Gravity	Base	Specs Met
METAL BONDER											
330		430™	Metal & Rubber Bonder - Clear								
33002 33028 33054	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	43050 43061	A single component, low to medium viscosity ethyl cyanoacrylate adhesive.	123 - 127	0.006	2600	-65 to 200	30sec	1.09	Ethyl	A-A3097 Type II - Class 1
SURFACE INSENSITIVE											
301		401™	Surface Insensitive - General - Clear								
30102 30114 30114BC 30120 30154 30104	1.8 mL Bullet 15 mL Bottle 15 mL Bottle 20 gm Bottle 1 lb Bottle 4 lb Jug	40140 40140 40140 40161	A fast setting, low to medium viscosity cyanoacrylate adhesive for use on all types of substratesIdeal for filling small gaps.	90-120	0.005	3200	-65 to 200	15sec	1.06	Ethyl	
305 Surface Insensitive - General Purpose - Clear											
30502 30520 30554	1.8 mL Bullet 20 gm Bottle 1 lb Bottle		A medium viscosity cyanoacrylate adhesive with good flow characteristics. Extremely fast setting.	40 - 60	0.004	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 1
306 406™ Surface Insensitive - Wicking - Clear											
30602 30620 30654	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	40640 40661	A low viscosity with an extremely fast setting time. Ideal for bonding preassembled parts.	15 - 35	0.004	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 1
307 Surface Insensitive - Wicking - Clear											
30702 30720 30754	1.8 mL Bullet 20 gm Bottle 1 lb Bottle		An extremely fast setting wicking grade adhesive ideal for bonding preassembled parts.	1 - 3	0.002	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 1
331 Surface Insensitive - Gap Filling - Clear											
33102 33114 33120 33154	1.8 mL Bullet .5 oz Bottle 20 gm Bottle 1 lb Bottle		Suitable for general-purpose bonding but provides excellent strength and speed on all rubber compounds.	650 - 950	0.002	3400	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 3
333 435™ Surface Insensitive - General Purpose - Clear											
33302 33320 33354	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	40994 40995	Designed to set and adhere rapidly to inactive surfaces.	250-350	0.006	3000-3500	-65 to 200	30sec	1.05	Ethyl	
347 447™ Surface Insensitive - General Purpose - Clear											
34702 34714 34720 34728 34754	1.8 mL Bullet .5 oz Bottle 20 gm Bottle 1 oz Bottle 1 lb Bottle		A single component, medium to high viscosity cyanoacrylate adhesive. It is particularly designed to set and adhere rapidly to inactive surfaces.	600 - 850	0.007	3200	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 3
354 454™ Surface Insensitive - Porous Gel - Clear											
35403 35420 35422 35430	3 gm Tube 20 gm Tube 200 gm Tube 300 gm Cart	45404 45440 45478	Ideal for bonding porous materials or when controlling adhesive flow is critical. Offers maximum gap filling and repositioning time.	9500 - 12,500	0.01	3500	-65 to 200	75sec	1.08	Ethyl	A-A3097 Type II - Class 4
356 Surface Insensitive - Gel - Black											
35620	20 gm Tube		Offers maximum gap filling and repositioning time.	Thixo Gel	0.01		-65 to 200	75min	1.08	Ethyl	A-A3097 Type II - Class 4

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**Vibra-TITE**  
CYANOACRYLATES

Cyanoacrylates, commonly known as Super Glues, are highly useful in virtually every industry. Some of the higher volume applications include printed circuit board wires and a broad range of medical devices.

OEM applications include small and large appliances, automotive applications, toys, and cosmetic packaging.

MRO applications include repair of plastic, rubber and metal parts.

Everyday consumers are a large volume users of Super Glues for use and repair on everything from crafts to broken toys and household gadgets.

Factors that Effect CA Performance

- Low humidity = slower cure speed
- Low viscosity for small gaps
- Difficult-to-bond surfaces: PTFE, Silicone, Polyethylene, Polypropylene
- Excess adhesive - Less is best

## CYANOACRYLATES

Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Viscosity (cP)	Max Gap Fill (in.)	Shear Strength (PSI)	Temp Range °F	Fixture Time	Specific Gravity	Base	Specs Met
LOW ODOR / LOW BLOOM											
<b>303</b> <b>403™</b> Low Odor & Low Bloom - Gap Filling - Clear											
30320 30354	20 gm Bottle 1 lb Bottle	40340 40361	No-odor and non-blooming characteristics.	1200-1500	0.008	3200 / tds 2600	-65 to 200	30sec	1.05	Alkoxy-Alkyl	
<b>308</b> <b>408™</b> Low Odor & Low Bloom - Wicking - Clear											
30802 30820 30854	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	40840 40861	No-odor and non-blooming characteristics for when vapor control is an issue.	2 - 6	0.002	2400	-65 to 200	15sec	1.06	Ethoxy Ethyl	
<b>317</b> Low Odor & Low Bloom - Toughened - Clear											
31720 31754	20 gm Bottle 1 lb Bottle		Designed for applications needing higher peel strength.	2500	0.008	2300	-65 to 200	30sec	1.05	Ethyl	
<b>318</b> Low Odor & Low Bloom - Toughened - Black											
31820 31854	20 gm Bottle 1 lb Bottle		Designed for applications needing higher peel strength.	2500	0.008	2300	-65 to 200	30sec	1.05	Ethyl	
<b>360</b> <b>460™</b> Low Odor & Low Bloom - General Purpose - Clear											
36002 36020 36054	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	46040 46061	No-odor and nonblooming characteristics make this product user friendly for vapor control.	50	0.004	2600	-65 to 200	30sec	1.06	Ethyl	
RUBBER TOUGHENED											
<b>310</b> <b>410™</b> Rubber Toughened - Gap Filling - Black											
31002 31020 31054	1.8 mL Bullet 20 gm Bottle 1 lb Bottle	41045 41061	Provides superior shock and thermal resistance when bonding in harsh environments	2000 - 3000	0.008	3700	-65 to 280	90sec	1.06	Ethyl	A-A3097 Type II - Class 4
<b>311</b> <b>411™</b> Rubber Toughened - Shock & Impact Resistant - Clear											
31102 31120 31128 31154	1.8 mL Bullet 20 gm Bottle 1 oz Bottle 1 lb Bottle	41145 41161	A single component high viscosity, rubber-toughened ethyl cyanoacrylate adhesive. Superior shock and thermal resistance.	2400	0.008	3700	-65 to 280	75sec	1.06	Ethyl	A-A3097 Type II - Class 3, A-A3097 Type II - Class 3 - Ethyl
<b>335</b> Rubber Toughened - General Purpose - Clear											
33502 33520 33528 33554	1.8 mL Bullet 20 gm Bottle 1 oz Bottle 1 lb Bottle		Provides superior shock and thermal resistance when bonding rubbers, metals, and plastics in harsh environments.	400 - 600	0.006	3700	-65 to 280	50sec	1.06	Ethyl	A-A3097 Type II - Class 2
<b>388</b> <b>380™</b> Rubber Toughened - Shock/Temp Resistant - Black											
38802 38828 38854	1.8 mL Bullet 1 oz Bottle 1 lb Bottle	38050 38061	Provides superior shock and thermal resistance when bonding rubbers, metals, and plastics in harsh environments.	400 - 600	0.006	3700	-65 to 280	50sec	1.06	Ethyl	A-A3097 Type II - Class 2
HD RUBBER BONDER											
<b>370</b> Rubber Bonder - Wicking - Clear											
37020 37054	20 gm Bottle 1 lb Bottle		A fast setting wicking grade adhesive ideal for bonding preassembled parts.	2	0.002	3200	-65 to 200	10sec	1.06	Ethyl	A-A3097 Type II - Class 1
<b>371</b> Rubber Bonder - Clear											
37120 37154	20 gm Bottle 1 lb Bottle		A single component, extremely fast setting low viscosity cyanoacrylate adhesive.	10 - 20	0.003	3200	-65 to 200	10sec	1.06	Ethyl	A-A3097 Type II - Class 1
<b>372</b> Rubber Bonder - Clear											
37220 37254	20 gm Bottle 1 lb Bottle		A single component, fast setting medium viscosity cyanoacrylate adhesive.	160 - 220	0.006	3000	-65 to 200	15sec	1.06	Ethyl	A-A3097 Type II - Class 2
<b>373</b> Rubber Bonder - Gap Filling - Clear											
37320 37354	20 gm Bottle 1 lb Bottle		Provides excellent strength and speed on all rubber compounds.	1800	0.008	3400	-65 to 200	10sec	1.06	Ethyl	A-A3097 Type II - Class



# Vibra-TITE®

## Light Cure Adhesives

Vibra-Tite light cure adhesives are single-part, photo-initiated acrylates that cure on demand when exposed to UV-light.

- Almost instant cure
- Some cure with very low intensity
- Flexible or rigid products available
- High optical clarity & non-yellowing
- Bonds a wide range of substrates



**Vibra-TITE® BONDING PRODUCTS**

Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Cure Type	Color	Key Substrates	Viscosity (cP)	Elongation At Break %	Shore Hardness	Temp Range	Fixture Time	Shear Strength (PSI)	Activator
<b>208</b>			<b>UV STRUCTURAL ADHESIVE</b>										
20831	30 mL Syringe		Impact resistant gel.	UV / Primer	Opaque	Glass, Metal	Gel	300	D70	-65°F to 250°F		2500	638
20800	1 L Bottle												
<b>211</b>			<b>LIGHT CURE ADHESIVE</b>										
21150	50 mL Bottle		Low viscosity glass bonder.	UV / Visible	Clear	Glass	100	100	D80	-65°F to 250°F	10 Sec	2300	
21100	1 L Bottle												
<b>215</b>			<b>LIGHT CURE ADHESIVE</b>										
21550	50 mL Bottle		Potting material.	UV / Visible	Clear	Glass, Plastic	8000	200			5 Sec		
21500	1 L Bottle												
<b>216</b>			<b>UV STRUCTURAL ADHESIVE</b>										
21600	1 L Bottle		Impact resistant gel.	UV	Clear	Glass, Metal	Gel	>20	D65	-45°F to 300°F	10 Sec	1600	
<b>220</b>			<b>LIGHT CURE ADHESIVE</b>										
22050	50 mL Bottle		Medium viscosity glass bonder.	UV / Visible	Amber	Glass	1200			-65°F to 250°F	3 Sec	2000	
22025	250 mL Bottle												
22000	1 L Bottle												
<b>229</b>		<b>349™</b>	<b>LIGHT CURE ADHESIVE</b>										
22950	50 mL Bottle	34931	High viscosity glass bonder.	UV	Clear / Straw	Glass, Metal	9500	300	D70	-65°F to 266°F		1600	
22900	1 L Bottle	34990											
<b>230</b>		<b>352™</b>	<b>UV STRUCTURAL ADHESIVE</b>										
23050	50 mL Bottle	35241	Impact resistant adhesive.	UV / Heat / Activator	Clear / Amber	Glass, Metal	19500	290	D60	-65°F to 374°F		1500	600 / 638
23000	1 L Bottle	35286											
<b>250</b>			<b>LIGHT CURE ADHESIVE</b>										
25050	50 mL Bottle		Doming product for plastics.	UV / Visible	Clear	Plastics	6000						
25000	1 L Bottle												
<b>255</b>			<b>LIGHT CURE ADHESIVE</b>										
25550	50 mL Bottle		Doming product for metals.	UV / Visible	Clear	Metals	6000						
25500	1 L Bottle												
<b>265</b>			<b>LIGHT CURE ADHESIVE</b>										
26550	50 mL Bottle		Light tacking adhesive.	UV / Visible	Clear	Glass, Plastics	200	10		-65°F to 188°F	3 Sec	2900	
26500	1 L Bottle												
<b>291</b>		<b>3921™</b>	<b>ACRYLIC UV / VISIBLE W/ FLUORESCENCE</b>										
29150	50 mL Bottle		Needle Bonder.	UV / Visible	Clear / Fluorescent	Glass, Metal, Thermoplastic, Polycarbonate, Polyvinylchloride	150			-65°F to 300°F			
29100	1 L Bottle	36485											
<b>294</b>			<b>LIGHT CURE ADHESIVE</b>										
29450	50 mL Bottle		UV plastic bonder.	UV / Visible	Clear	Plastics	750	300	D60	-55°F to 188°F	3 Sec	3000	
29400	1 L Bottle												
<b>297</b>		<b>3971™</b>	<b>ACRYLIC UV / VISIBLE W/ FLUORESCENCE</b>										
29750	50 mL Bottle		Medical device bonder.	UV / Visible	Clear / Fluorescent	Metal, Thermoplastic, Polyvinylchloride, Polyurethane	320			-65°F to 300°F			
29700	1 L Bottle	36805											




(800) 606-4466 [www.HWECKHARDT.com](http://www.HWECKHARDT.com)







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# EPOXIES

Vibra-Tite Part #	Available Sizes	Mix Nozzle #	Product Description and Comparison	Viscosity (cP)	Shear Strength (PSI)	Mix Ratio	Temp Range	Fixture Time	Full Cure	Specific Gravity
<b>905 2 PART QUICK CURE - CLEAR</b>										
90550 90540	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to 3M™ DP100®	Part A: 10,000 Part B: 12,000	Etched Al: 1,500 CRS: 1,000	1:1	-20°F to 250°F	4-6 min.	24 hrs.	Part A: 1.16 Part B: 1.14
<b>910 2 PART, 5 MINUTE - WHITE OR BLACK</b>										
91050 91040	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to 3M™ DP110® or Hysol E00NS	Part A: Paste Part B: Paste	Etched Al: 1,200 CRS: 1,000	1:1	-20°F to 250°F	4-6 min.	24 hrs.	Part A: 1.21 Part B: 1.15
<b>911 EPOXY - GREY</b>										
91150 91140	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to Fastweld 10	Part A: 280,000 Part B: 180,000	CRS: 3,900	1:1	-40°F to 300°F	10 min.	24-72 hrs.	Part A: 1.48 Part B: 1.48
<b>912 OIL FIELD THREAD SEALING - GREY</b>										
91227 91254	8 oz Jar 16 oz Jar			Part A: 30,000 Part B: 80	CRS: 3,000	1:1	-40°F to 300°F		24-72 hrs.	Part A: 1.21 Part B: 1.15
<b>913 EPOXY - CLEAR</b>										
91350 91340	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to Devon's 2-Ton Epoxy	Part A: 13,000 Part B: 7,000	CRS: 2,300	1:1	-40°F to 250°F	10 min.	24-72 hrs.	Part A: 1.16 Part B: 0.96
<b>915 EPOXY - GREY</b>										
91550 91540	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to Hysol E 60 NC	Part A: 6,000 Part B: 11,000	Etched Al: 2,700 CRS: 2,700	1:1	-40°F to 300°F	90 min.	24-72 hrs.	Part A: 1.15 Part B: 1.01
<b>916 EPOXY - GREY</b>										
91650 91640	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to Hysol E 60 HP	Part A: 60,000 Part B: 5,000	CRS: 3,300 Etched Al: 4,300	2:1	-40°F to 250°F	70-90 min.	24-72 hrs.	Part A: 1.16 Part B: 1.06
<b>920 HIGH PEEL / HIGH SHEAR 2 PART EPOXY</b>										
92050 92040	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01		Part A: 50,000 Part B: 4,000	3,500	2:1	-40°F to 300°F	70-90 min.	24-72 hrs.	Part A: 1.12 Part B: 1.01
<b>921 PLASTIC BONDER - BLACK</b>										
92150 92140	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01		Part A: 50,000 Part B: 4,000	3,500	2:1	-40°F to 300°F	70-90 min.	24-72 hrs.	Part A: 1.12 Part B: 1.01
<b>923 ALUMINUM BONDER - OFF-WHITE</b>										
92350 92340	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01		Part A: 65,000 Part B: 12,000	Etched Al: 3,000 CRS: 4,000	2:1	-40°F to 300°F	20 min.	24- 72 hrs.	Part A: 1.16 Part B: 0.96
<b>924 EPOXY - BLUE</b>										
92450 92440	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compare to Lord 305	Part A: 14,000 Part B: 32,500	Etched Al: 2,000 CRS: 2,700	1:1	-40°F to 300°F	2 hrs	24-72 hrs.	Part A: 1.16 Part B: 0.96
<b>930 HEAT CURE EPOXY - SILVER</b>										
93030	300 mL Cart	T300CT or T300FX		900,000	CRS:5,000 Etched Al: 3,900	1 Part	-40°F to 300°F	30 min. @350°F	30 min. at 350°F	1.38
<b>932 ENCAPSULATING EPOXY - BLACK</b>										
93240	400 mL Dual Cart	M400EP01		Part A: 30,000 Part B: 1,000		2:1	-40°F to 300°F	30 min. @350°F	24 hrs.	Part A: 1.61 Part B: 0.98
<b>933 IGNITION COIL IMPREGNATION &amp; ENCAPSULATION</b>										
93350	50 mL Dual Cart	M050EP01	Compare to Lord EP809	8000	1500	2:1	-55°F to 200°F	10 min.	24-72 hrs.	1.14
<b>934 INDUCTION CURE - SILVER</b>										
93430	300 mL Cart	T300CT or T300FX		900,000	CRS:5,000 Etched Al: 3,900	1 Part	-40°F to 300°F	4 sec. @ 350°F	30 min. at 350°F	1.38
<b>951 ALUMINUM LIQUID - GREY</b>										
95154	1 lb. Pail		Compares to Devcon Aluminum Liquid	20,000 Mixed	Etched Al: 2,600	5:1	-40°F to 300°F	24 hrs.	48-72 hrs.	1.58 Mixed
<b>990 FLEXIBLE TOUGHENED 2 PART EPOXY - OFF-WHITE</b>										
99050 99040	50 mL Dual Cart 400 mL Dual Cart	M050EP01 M400EP01	Compares to Hysol E 120 HP	Part A: 41,000 Part B: 2,000	Etched Al: 3,500 CRS: 4,000	2:1	-40°F to 300°F	140-180 min.	24-72 hrs.	Part A: 1.14 Part B: 0.98

## ADHESIVE DISPENSING EQUIPMENT AND ACCESSORIES

Vibra-Tite Part #	Product Description	
D050R01	Dispense Gun, 50 mL Dual Cartridge, 1:1 and 2:1 Ratio, Manual, Plastic	
D050R02	Dispense Gun, 50 mL Dual Cartridge, 2:1 Ratio, Manual, Plastic	
D050R10	Dispense Gun, 50 mL Dual Cartridge, 10:1 Ratio, Manual, Plastic	
D400RVA	Dispense Gun, 200, 400, and 490 mL Dual Cartridge, 1:1, 2:1, and 10:1 Ratio, Manual, Metal	
D490R10	Dispense Gun, 490 mL Dual Cartridge, 10:1 Ratio, Pneumatic, Metal	

Vibra-Tite Part #	Product Description	
M050EP01	Mix Nozzle, 50 mL, Square, 16 Elements, 1:1 Ratio, 3.25" Length, 5.3 mm Inner Dim.	
M050PB01	Mix Nozzle, 50 mL, Square, 16 Elements, 1:1 and 2:1 Ratio, 3.6" Length, 5.3 mm I.D.	
M050PB10	Mix Nozzle, 50 mL, Square, 24 Elements, 10:1 Ratio, 4.8" Length, 5.3 mm Inner Dim.	
M400EP01	Mix Nozzle, 400 mL, Square, 24 Elements, 1:1 and 2:1 Ratio, 5.8" Length, 7.5 mm I.D.	
M400PB01	Mix Nozzle, 400 mL, Oval, 24 Elements, 1:1 and 2:1 Ratio, 7.6" Length, 6.3 mm I.D.	
M490PB10	Mix Nozzle, 490 mL, Square, 24 Elements, 10:1 Ratio, 6.2" Length, 8.3 mm Inner Dim.	
T300CT	Dispense Tip, 300 mL, Cut-to-size Diameter, Tapered Tip, 0.25" NPT, 2.5" Length	
T300FX	Dispense Tip, 300 mL, 0.125" Fixed Orifice, Tapered Tip, 0.25" NPT, 2.5" Length	



## METHACRYLATE ADHESIVES

Vibra-Tite acrylic (methacrylate) adhesives are a room temperature curing, non-sagging, 2-part system comprised of resin and activator. Our adhesives respond well to dissimilar materials and a wide range of temperatures.

**Forms a bond on:**

- aluminum
- fiberglass
- steel
- ABS
- stainless steel
- composite
- PVC
- plastic
- wood
- ceramic
- glass



Vibra-Tite Part #	Available Sizes	Mix Nozzle #	Product Description	Available Colors	Mix Ratio By Vol.	Working Time (min)	Fixture Time (min)	Tensile Strength (PSI)	Viscosity Range (cP)
PB300			All Purpose - Fast Set Time; High Strength (Competes with Plexus® MA300)						
PB30050 PB30040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	General purpose. Adheres to most substrates. Rapid cure time.	Black, Natural	1:1	3-7	10-15	2,500-3,500	40,000-80,000
PB305			All Purpose - Extremely Fast Set Time (Competes with Plexus® MA305)						
PB30550 PB30540	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Very rapid gel and fixture time. Adheres to most substrates.	Black, Natural	1:1	2-3	4-6	2,500-3,500	40,000-80,000
PB310			All Purpose - For Difficult-To-Bond; High Strength (Competes with Plexus® MA310)						
PB31050 PB31040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Use with plastics that are difficult to bond. Works great on fiberglass.	Black, Natural	1:1	8-15	18-25	3,000-3,800	40,000-80,000
PB330			All Purpose - Medium Set Time; High Strength (Competes with Plexus® MA330)						
PB33050 PB33040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Use when a medium amount of open time is desired.	Black, Natural	1:1	15-24	30-45	3,000-3,800	40,000-80,000
PB530			All Purpose - Moderate Set Time; High Strength (Competes with Plexus® MA530)						
PB53050 PB53040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Use when moderate amount of open time is desired.	Black, Natural	1:1	25-35	60-90	3,000-3,800	40,000-80,000
PB560			All Purpose - Long Set Time; High Flex (Competes with Plexus® MA560-1)						
PB56050 PB56040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Use when long amount of open time is desired.	Gray	1:1	55-70	200-260	2,200-2,800	140,000-180,000
PB590			All Purpose - Longest Set Time; High Flex (Competes with Plexus® MA590)						
PB59050 PB59040	50 mL Cart 400 mL Cart	M050PB01 M400PB01	Use when the longest amount of open time is desired.	Gray	1:1	90-110	260-400	2,200-2,800	140,000-180,000
PB405			All Purpose - Extremely Fast Set Time (Competes with Plexus® MA205HV)						
PB40550 PB40549	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Toughened formula. Fast setting.	Black, Gray, Natural	10:1	2-4	4-8	2,500-3,500	140,000-180,000
PB320			All Purpose - Medium Set Time; High Strength (Competes with Plexus® MA320)						
PB32050 PB32049	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Toughened formula. Medium cure speed. No preparation needed.	Black, Gray, Natural	10:1	8-15	18-25	2,500-3,500	140,000-180,000
PB420			All Purpose - Fast Set Time; High Strength (Competes with Plexus® A0/MA420)						
PB42050 PB42049	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Requires virtually no surface preparation. Impact resistant.	Black, Gray, Natural	10:1	4-7	10-15	2,500-3,500	140,000-180,000
PB422			All Purpose - Slow Set Time; High Strength (Competes with Plexus® MA422)						
PB42250 PB42249	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Use when moderate amount of open time is desired. Toughened formula.	Black, Gray, Natural	10:1	18-24	30-45	2,500-3,500	140,000-180,000
PB425			All Purpose - Long Set Time; High Strength (Competes with Plexus® MA425)						
PB42550 PB42549	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Use when long amount of open time is desired. Toughened formula.	Black, Gray, Natural	10:1	25-35	60-90	2,500-3,500	140,000-180,000
PB550			Marine - U.V. Stable White (Competes with Plexus® MA550)						
PB55050 PB55049	50 mL Cart 490 mL Cart	M050PB10 M490PB10	Excellent for marine industry usage.	White	10:1	40-60	80-110	2,000-2,500	140,000-180,000

Custom sizes are available upon request, including 200 mL, 250 mL, 380 mL coaxial, and u-TAH™ universal cartridges, as well as 10 gallon kits, and 40 gallon drum packs. No weighing or manual mixing is needed. Gel and fixture times are measured at 77° F. Colored products and special order products may require a minimum order. See Safety Data Sheet and Technical Data Sheet for more information.

## MS POLYMER (modified silane)

Vibra-Tite Part #	Available Sizes	Color	Viscosity	Specific Gravity	Extrusion Rate	Cure Method	Skin-Over Time	Durometer	Service Temp. Range	Elongation Percentage	Shear Strength
804											
80405	5 Gallon Pail	Black, White, or Gray	Paste	1.4 - 1.6	31.4 g/min., 40 psi at 5mm dia.	Moisture	10 - 12 minutes	Shore A 77	-40°F (-40°C) to 200°F (93°C)	> 190 %	362 psi
80455	55 Gallon Drum										
805											
80530	300 mL Cart	Black, White, or Gray	Paste	1.6	1,100 g/min., 40 psi at 5mm dia.	Moisture	15 minutes	Shore A 45-50	-40°F (-40°C) to 200°F (93°C)	> 410 %	246 psi
80505	5 Gallon Pail										
80555	55 Gallon Drum										
816											
81630	300 mL Cart	Black, White, or Gray	Paste	1.3 - 1.7	338 g/min, 40 psi at 5mm dia.	Moisture	8 minutes	Shore A 38	-40°F (-40°C) to 200°F (93°C)	>540%	300 psi
81605	5 Gallon Pail										
81655	55 Gallon Drum										
817											
81730	300 mL Cart	Black, White, or Gray	Paste	1.3 - 1.7	484 g/min, 40 psi at 5mm dia.	Moisture	7 minutes	Shore A 58	-40°F (-40°C) to 200°F (93°C)	>240%	295 psi

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**Vibra-TITE BONDING PRODUCTS**

# Vibra-TITE®

## STRUCTURAL ACRYLIC ADHESIVES

are a Methacrylate technology, room temperature curing, non-sagging, 2-part, no-mix system comprised of resin and hardener. It forms structural bonds on metal, composite, plastic, wood, ceramic and many other substrates. The are ideal for parts where extended open time is needed.



Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Color	Viscosity (cP) at 20 RPM	Max Gap Fill (in)	Shear Strength (PSI)	Temp Range	Fixture Time	Specific Gravity	Activator
<b>212</b>		<b>312</b>	<b>NO-MIX STRUCTURAL ACRYLIC</b>								
21250 21200	50 mL Bottle 1 L Bottle	31231 31243	Fast cure on close fitting parts.	Amber	1000	0.003	>2000	-65°F to 300°F	30 Sec	1.08	611
<b>224</b>		<b>324</b>	<b>HIGH IMPACT NO-MIX STRUCTURAL ADHESIVE</b>								
22450	50 mL Bottle	32430	Bonds a wide range of substrates	Clear	10000 - 25000	0.040	2500-3600	-65°F to 300°F	5 Min.	1.05	638
<b>225</b>		<b>325</b>	<b>NO-MIX STRUCTURAL ACRYLIC</b>								
22550 22500	50 mL Bottle 1 L Bottle	32530 32586	Severe environment applications. Solvent resistant.	Transparent / Dark Brown	20000	0.040	2200	-65°F to 300°F	5 Min.	1.11	611
<b>226</b>		<b>326</b>	<b>NO-MIX STRUCTURAL ACRYLIC</b>								
22650 22600	50 mL Bottle 1 L Bottle	32629 32685	Fast fixturing applications.	Transparent / Dark Brown	18000	0.0420	3500	-65°F to 250°F	1 Min.	1.10	611
<b>233</b>		<b>330</b>	<b>NO-MIX STRUCTURAL ACRYLIC - RUBBER TOUGHENED</b>								
23350 23300	50 mL Bottle 1 L Bottle	 33081	Rough or porous surfaces.	Pale Yellow	67500	0.005	3300	-65°F to 250°F	5 Min.	1.05	600 / 638
<b>240</b>		<b>392</b>	<b>NO-MIX STRUCTURAL ACRYLIC</b>								
24050 24000	50 mL Bottle 1 L Bottle	39250 39280	Fast fixturing magnet bonder.	Amber	6500 / 17500 Thixo	0.025	2500	-65°F to 212°F	1 Min.	1.16	600
<b>274</b>			<b>NO-MIX STRUCTURAL ACRYLIC</b>								
27450 27400	50 mL Bottle 1 L Bottle		RVM Rear view mirror bonder.	Amber	3200	0.01	2300	-65°F to 250°F	1 Min.	1.1	611

## HOT MELT URETHANE ADHESIVES

Providing the benefits of hot melts combined with the performance of urethanes, Vibra-Tite hot melts offer high bond strengths for a wide variety of laminating and joining applications.

Vibra-Tite Part #	Available Sizes	Product Description	Color	Viscosity (cP) @20 RPM	Open Time	Full Cure	Application Temperature
<b>807</b>		<b>HOT MELT - LONG OPEN TIME</b>					
80705 80755 80744	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for assembling Recreational Vehicle sidewalls. Very high strength. Good resistance to temperature and moisture aging.	Clear	15,000 cPs ± 1,500 cPs	6 - 8 minutes	8 hours	235°F (113°C) to 275°F (135°C)
<b>808</b>		<b>HOT MELT - PRESSURE SENSITIVE</b>					
80805 80855 80844	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for clear or translucent substrates. Good for book binding applications. High tack. Pressure sensitive. Resists yellowing from U.V. light.	Clear	9,000 cPs ± 500 cPs	60 seconds	4 hours	235°F (113°C) to 275°F (135°C)
<b>809</b>		<b>HOT MELT - MULTI-PURPOSE</b>					
80905 80955 80944	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for bonding composite panels, including Recreational Vehicle sidewalls. Very high strength.	White	9,000 cPs ± 1,000 cPs	3 - 4 minutes	8 hours	235°F (113°C) to 275°F (135°C)
<b>810</b>		<b>HOT MELT - SHORT OPEN TIME</b>					
81005 81055 81044	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for flexible bonds involving plastic components. Fast set time for immediate bond strength.	Blue	5,000 cPs ± 1,000 cPs	60 to 90 seconds	8 hours	235°F (113°C) to 275°F (135°C)
<b>811</b>		<b>HOT MELT - BOOK BINDING</b>					
81105 81155 81144	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for book binding applications. Excellent adhesion to U.V. cured coatings, films, and clay-coated papers.	Clear	5,000 cPs ± 500 cPs	20 seconds	8 hours	235°F (113°C) to 275°F (135°C)
<b>812</b>		<b>HOT MELT - COATING</b>					
81205 81255 81244	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for decks and panels.	White, Black, Gray	15,000 cPs ± 1,500 cPs	10 seconds	48 hours	235°F (113°C) to 275°F (135°C)
<b>813</b>		<b>HOT MELT - PURGE AND CLEAN</b>					
81305 81355 81304	5 Gallon Pail 55 Gallon Drum 1 lb. solid puck	Maintenance product. Purges out urethane adhesive and cleans out equipment system.	Blue	1,000 cPs ± 500 cPs	10 seconds	not reactive	235°F (113°C) to 275°F (135°C)
<b>814</b>		<b>HOT MELT - LAMINATING ADHESIVE</b>					
81405 81455 81444	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Designed for plastic bonding.	Natural, Blue	15,000 cPs ± 1,000 cPs	6 - 8 minutes	24 hours	235°F (113°C) to 275°F (135°C)
<b>815</b>		<b>HOT MELT - LAMINATING ADHESIVE</b>					
81505 81555 81544	5 Gallon Pail 55 Gallon Drum 2 kg. slug w/foil pouch	Great resistance to high temperatures.	Natural, Blue	20,000 cPs ± 1,500 cPs	4 - 6 minutes	24 hours	235°F (113°C) to 275°F (135°C)



# Vibra-TITE®

## URETHANES

Vibra-Tite Urethanes are high strength adhesives for bonding wood, metal, glass, stone, ceramic, brick, fiberglass, carbon, foam and more.

- Ideal for industrial assembly and household repairs
- 100% Waterproof
- Temperature resistant
- Low foam formulations



Vibra-Tite Part #	Available Sizes	Color	Viscosity	Specific Gravity	Mix Ratio	Cure Method	Work Life	Full Cure	Service Temp Range	Durometer	Overlap Shear Strength
<b>801</b>	<b>URETHANE</b>										
80105 80155 80175	5 Gallon Pail 55 Gallon Drum 275 Gallon Tote	Amber	5,000	1.13	1 Part	Moisture	25 - 30 minutes	24 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm CRS, @ 750 psi
<b>801FC</b>	<b>URETHANE - FAST CURE</b>										
80105FC 80155FC 80175FC	5 Gallon Pail 55 Gallon Drum 275 Gallon Tote	Amber	5,000	1.13	1 Part	Moisture	15 - 20 minutes	24 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm CRS, @ 750 psi
<b>801SS</b>	<b>URETHANE - STAINLESS STEEL</b>										
80105SS 80155SS 80175SS	5 Gallon Pail 55 Gallon Drum 275 Gallon Tote	Amber	5,000	1.13	1 Part	Moisture	25 - 30 minutes	24 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm CRS, @ 750 psi
<b>802</b>	<b>POLYURETHANE</b>										
80205 80255 80275	5 Gallon Pail 55 Gallon Drum 275 Gallon Tote	Green	2,000	1.13	1:1	2-Component System	3 minutes - 2.5 hours	8-48 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm AL. 2014-T3 @ 420 psi
<b>989</b>	<b>POLYURETHANE</b>										
98902 98904 98908 98916 98900	2 oz Bottle 4 oz Bottle 8 oz Bottle 16 oz Bottle 1 L	Amber	7,000	1.1	1 Part	Moisture	25 - 30 minutes	24 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm CRS, @ 750 psi
<b>989</b>	<b>DAM GOOD GLUE - POLYURETHANE</b>										
98902DGG 98902BCDGG 98908DGG 98916DGG	2 oz Bottle 2 oz in Blister Card 8 oz Bottle 16 oz Bottle	Amber	7,000	1.1	1 Part	Moisture	25 - 30 minutes	24 hours	-20°F (-29°C) to 200°F (93°C)	Shore D 45-55	5 mm CRS, @ 750 psi

Note: 800 series urethanes can be customized to meet specific industrial needs.

(800) 606-4466 [www.HWECKHARDT.com](http://www.HWECKHARDT.com)  
ND Industries and Vibra-Tite are registered trademarks of ND Industries, Inc.

**Vibra-TITE® BONDING PRODUCTS**

# Vibra-TITE®

## PRIMERS, ACTIVATORS & ACCELERATORS

Includes Atomizer

**Vibra-Tite** surface preparation products promote maximum performance of adhesives and sealants.



New!  
Cyanoacrylate  
Primer Pen



Vibra-Tite Part #	Available Sizes	LOCTITE® Part#	Product Description	Color	Viscosity (cP)	Base	On-Part Life	Dry Time	Application
<b>600</b>		<b>7380™</b>	<b>EXCEL STRUCTURAL ACTIVATOR</b>						
60028	1 oz Bottle		Structural activator.	Light Brown	43	Monomer	8 Hrs	None	Structurals
60002	2 oz Bottle								
60025	250 cc Bottle								
60000	1 L Bottle	19822							
<b>611</b>		<b>7649™</b>	<b>EXCEL PRIMER N</b>						
61102	2 oz Bottle		General purpose primer.	Clear / Green	2	Acetone	30 Days	30-70 Sec	Anaerobics & Structurals
61108	8 oz Bottle								
61100	1 gal Can	19266							
<b>612</b>		<b>7471™</b>	<b>EXCEL PRIMER T</b>						
61202	2 oz Bottle		Fast acting primer.	Amber	2	Acetone / Isopropanol	7 Days	30-70 Sec	Anaerobics
61208	8 oz Bottle								
61200	1 gal Can	19268							
<b>621</b>		<b>7113™</b>	<b>EXCEL ACCELERATOR</b>						
62102	2 oz Bottle			Clear	0.4	Heptane	24 Hrs	1 Min.	All Cyanoacrylates
62104	4 oz Bottle								
62108	8 oz Bottle								
62100	1 gal Can	19606							
<b>623</b>			<b>EXCEL ACCELERATOR</b>						
62302	2 oz Bottle		General purpose accelerator.	Clear / Amber	1	Heptane	1 Min	1 Min.	All Cyanoacrylates
62304	4 oz Bottle								
62308	8 oz Bottle								
62300	1 gal Can								
<b>624</b>		<b>712™</b>	<b>EXCEL ACCELERATOR</b>						
62402	2 oz Bottle		Cyanoacrylate Accelerator.	Clear / Amber	1	Isopropanol	1 Min	<30 Sec	All Cyanoacrylates
62404	4 oz Bottle								
62408	8 oz Bottle								
62400	1 gal Can	18390							
<b>625</b>		<b>770™</b>	<b>EXCEL POLYOLEFIN PRIMER</b>						
62502	2 oz Bottle		Cyanoacrylate Primer for polyolefin and other low energy surfaces.	Clear / Amber	1	Heptane	8 Hrs	<30 Sec	All Cyanoacrylates
62504	4 oz Bottle								
62508	8 oz Bottle								
62500	1 gal Can								
<b>626</b>			<b>EXCEL POLYOLEFIN PRIMER</b>						
62610	10 mL Pen		Cyanoacrylate Primer for polyolefin and other low energy surfaces.	Clear / Amber	1	Acetone	8 Hrs	<30 Sec	All Cyanoacrylates
62602	2 oz Bottle								
62604	4 oz Bottle								
62608	8 oz Bottle								
62600	1 gal Can								
<b>638</b>		<b>7387™</b>	<b>EXCEL STRUCTURAL ACTIVATOR</b>						
63802	2 oz Bottle		General structural activator.	Light Brown	1.5	Heptane/Isopropanol	1 Hr	None	Structurals
63804	4 oz Bottle								
63808	8 oz Bottle								
63800	1 L Bottle								

LOCTITE is a registered trademark and 7380, 7649, 7471, 7113, 712, 7701 and 7387 are trademarks of Henkel IP & Holding GMBH, LLC.





Spatter build-up inside nozzles and tips restricts inert gas flow causing porous welds. In addition, frequent cleaning or disposal of consumables leads to downtime and higher running costs.



Thermal Defender™ coatings provide protection against spatter build-up allowing the inert gas to flow freely; greatly reducing maintenance and increasing productivity.



## TWO PRODUCTS - Choose the one that best meets your needs.

### USER-APPLIED TD-97

TD-97 is a dry film ceramic coating which is sprayed onto parts to protect them from metal weld spatter. Quick and easy, it can be applied and dried in under a minute and is then ready for immediate use.

TD-97 is a versatile product intended for use in a wide range of welding environments. With a low cost per application, TD-97 can be economically applied to practically any surface which could be damaged by weld spatter.

Item: 97095 | NET WT. 9.5 OZ. (269 g)  
Competes with Loctite® SF 7900™



#### TD-97 KEY BENEFITS:

- Easy application
- Fast drying
- Low cost per use
- Savings on welding consumables
- Higher quality welds
- Reduced downtime
- Easy cleanup
- Reduced need for cleaning chemicals

#### TD-97 APPLICATIONS:

- MIG and MAG welding
- Laser and Plasma cutting
- Jigs, Fixtures, Nozzles, Tips, Cabling
- Work Pieces & Shrouds
- Cables & Sensors

User-applied TD-97 provides instant weld nozzle and tip protection against spatter. However, if you're looking for a longer lasting, higher performance material for weld nozzles and tips, our pre-applied Spatter-Nix® may be a better alternative.

### PRE-APPLIED SPATTER-NIX®

SPATTER-NIX is a nozzle and tip coating designed to be the most durable, and effective solution for weld spatter prevention on the market. Spatter-nix is adhered to parts beforehand and can be stored until necessary for use.

In particular welding environments, Spatter-Nix will greatly out perform sprays or dips. A pre-applied product, Spatter-Nix is bonded to the parts and will repel spatter for longer durations and is much more durable.

#### SPATTER-NIX KEY BENEFITS:

- Pre-Applied and ready for use
- Reduces nozzle cleaning frequency
- Faster and easier nozzle cleaning
- Increase lifespan of weld nozzles
- Reduces the need for anti-spatter dips and sprays

#### SPATTER-NIX IS IDEAL FOR:

- Thin metal applications (0.7 - 1.0 mm)
- A Pillars, B Pillars, C Pillars
- Automotive Stamping
- Body Shop Work
- Spot Welding
- Stitch Type Welding

#### TESTIMONIALS:

- A Major Metal Fabricator reduced nozzle cleaning from every five cycles to every 500 cycles.
- An Automotive OEM cut down their robotic weld nozzle cleaning from three times per shift to once every six shifts.
- A Tier 1 automotive supplier watched its nozzle maintenance go down from every four cycles to once every 184 cycles.
- A Muffler Manufacturer minimized its nozzle cleaning from every 15 minutes to once every six hours.

# Vibra-TITE<sup>®</sup> Pro Line



WORK PACK Contains  
All Six Products

27007



21305BC



13506BC



12506BC



30114BC



47002BC



90729BC

## VC-3 Threadmate Non-Traditional Threadlocker

- Adjustable, Removable, Reusable
- Prevents fasteners from loosening due to shock and vibration.
- Locks and seals threaded fasteners of virtually any size.
- Works with metal, wood, plastic, and more.
- Temp Range: -65°F to +165°F

NET 0.17 FL OZ (5 mL)



## Threadlocker Gel Permanent Strength (Red)

- Permanently locks fasteners up to 1" in diameter.
- No drip. No waste.
- Torque Break: 200 in/lbs
- Torque Prevail: 100 in/lbs
- Temp Range: -65°F to 300°F

NET 0.2 FL OZ (6 mL)



## Threadlocker Gel Medium Strength (Blue)

- Removable, for 1/4" to 3/4" diameter fasteners.
- No drip. No waste.
- Torque Break: 120 in/lbs
- Torque Prevail: 45 in/lbs
- Temp Range: -65°F to 300°F

NET 0.2 FL OZ (6 mL)



## Instant SuperGlue Multi-Purpose

- Quick Fixturing, Fast Setting.
- High Strength.
- Pinpoint Precision Tip.
- Surface Insensitive.
- For Metal, Plastic, Rubber, Ceramic, Cork, Paper, Wood, Leather, Fabrics, Vinyl, & more.
- Sporting, Household, Automotive, Marine, Crafts.

NET 0.5 FL OZ (15 mL)



## DriveGrip Anti Cam-Out Fluid

- Assembly aid to help prevent fastener slippage.
- Minimizes drilled-out screws, easy-outs, and retapping.
- Increases grip between fastener head and tool by up to 700%.
- Virtually eliminates tool wear and deforming of fasteners.

NET 0.5 FL OZ (15 mL)



## Anti-Seize Compound Nickel-Graphite

- Formulated to reduce excessive wear on threads, gears, chains, cables, sprockets, and rollers.
- Prevents excessive wear, seizing, galling, and cold welding.
- Excellent resistance to harsh chemicals.
- Works in temperatures from -300°F to 2,000°F.

NET 0.2 FL OZ (6 mL)





# Dam Good Glue™

- ✋ **VERSATILE**  
BONDS WOOD, METAL, GLASS, STONE, CERAMIC, BRICK,  
FIBERGLASS, CARBON, FOAM, AND MORE
- ✋ **100 PERCENT WATERPROOF**
- ✋ **TEMPERATURE RESISTANT**
- ✋ **SANDABLE, PAINTABLE, STAINABLE**
- ✋ **LOW FOAM**

**WILDLY  
STRONG!**



For Dam Good Glue product specs, see urethane chart on page 21.

**FAST  
LOCK 4**

**A MUST-HAVE  
THREADLOCKER  
KIT FOR EVERY  
TOOLBOX!**

Product # 27006



**Each FASTLOCK 4 KIT contains:**

- 12110 10 mL Medium Strength Removable Threadlocker. For fasteners 1/4" to 3/4" dia.
- 13110 10 mL Permanent Strength Threadlocker. Lock fasteners up to 1" dia.
- 12535 35 mL Medium Strength Gel Threadlocker. No mess, no waste!
- 47002 15 mL Anti Cam-Out Fluid. Easily remove or tighten screws!

**Vibra-TITE  
BENCH  
PACK 5**

**A SELECTION OF POPULAR  
FASTENER LOCKING AND  
RETAINING PRODUCTS**

Product # 27005



**Each BENCH PACK 5 KIT contains:**

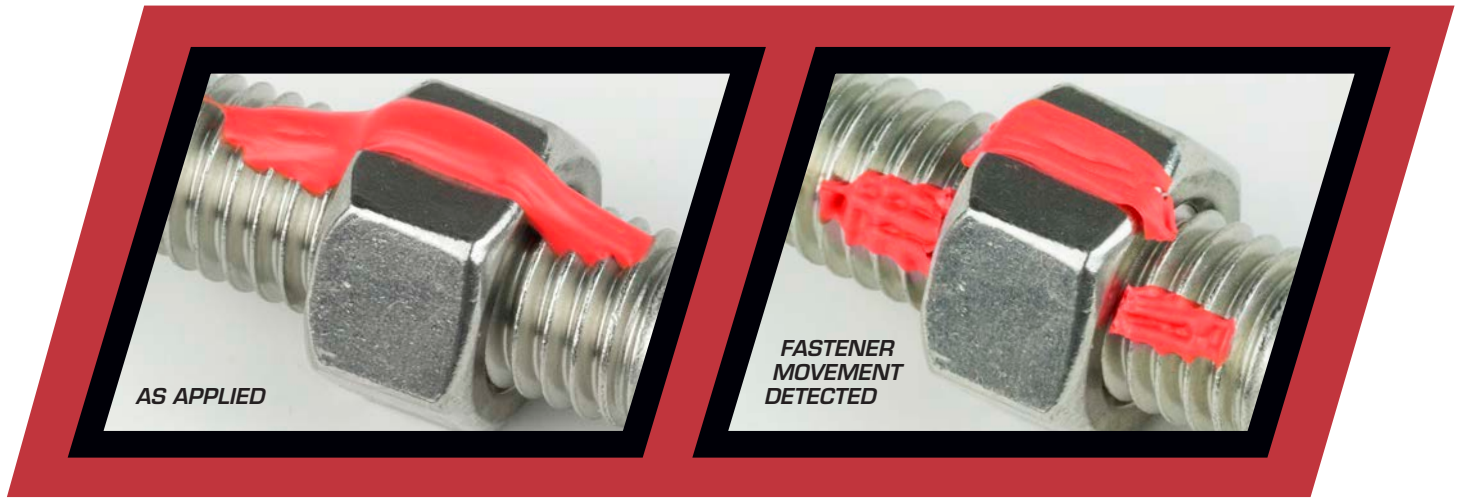
- 54110 10 mL High Strength Retaining Compound. For slip fit assemblies.
- 15010 10 mL Wicking Grade, Medium Strength Threadlocker. For fastener asm. to 1/2" dia.
- 12110 10 mL Medium Strength Removable Threadlocker. For fasteners 1/4" to 3/4" dia.
- 14010 10 mL High Strength Threadlocker. Lock fasteners up to 1" dia.
- 47002 15 mL Anti Cam-Out Fluid. Easily remove or tighten screws!

# VIZ-TORQUE™

## TAMPER DETECTION MARKER

# VISUALLY IDENTIFIES LOOSE FASTENERS

Viz-Torque is an inspection paste applied across completed fittings, assemblies, nuts, bolts and studs to show whether a part has been moved from its original position.



### Easy to use

Simply apply a single bead of Viz-Torque material across the assembled fasteners and allow to dry. No need to prepare surfaces.



### Fast Identification

A bright, highly visible colored paste which will fluoresce under black light, making it easy to detect without requiring testing.



### Dries Quick

Skins over in 20 seconds, dries in 20 minutes and is fully cured in 24 hours. Dry time can be reduced by increasing air flow.

## FEATURES

- ✓ Exhibits good adhesion to most metals when applied to a clean, dry surface.
- ✓ Helps quality control by providing warranty management in the event of tampering.
- ✓ Does not easily wash off with water or mild solvents.
- ✓ Compatible with most metals, paints and plastics.

## COLORS

1 oz. (30 mL) tube of Viz-Torque is available in a variety of colors to meet your visual identification needs.

COLOR	NUMBER	COLOR	NUMBER
Orange	20211	White	20251
Green	20221	Black	20261
Blue	20231	Yellow	20271
Red	20241	Pink	20281





# Vibra-TITE<sup>®</sup>

## MICROBOND<sup>TM</sup>

**First adhesive washer of its kind!**  
**Super light weight and dry to the touch!**

Microbond Dri-Adhesive Washers are made from a fibrous material which holds ND Industries' powerful Microspheres adhesive technology.

Microspheres, a material formed through a process known as microencapsulation, consists of tiny spheres or microcaps containing either an activator or adhesive. Although mixed together, the shell of each sphere keeps both parts separated allowing the material to stay dry and inactive until during assembly the force of engagement breaks open the microcaps causing activation.

- Dry to the touch and safe to handle
- Works great on sheet metal applications
- Provides vibration dampening
- Prevents loosening due to vibration
- Prevents galvanic corrosion
- Great alternative to split-ring, serrated and conical washers
- Adhesive activates upon installation
- Will not scratch surfaces
- Significantly reduces weight in assemblies
- Custom shapes, sizes and colors available



Dry to the touch and safe to handle



Metal Roofing and Industrial Construction



Exterior Body Panels



Lawn & Tractor Equipment



Heavy Machinery



# **Vibra-TITE<sup>®</sup>** PROVIDES A VARIETY OF SERVICES

## **Chemical Toll Blending**

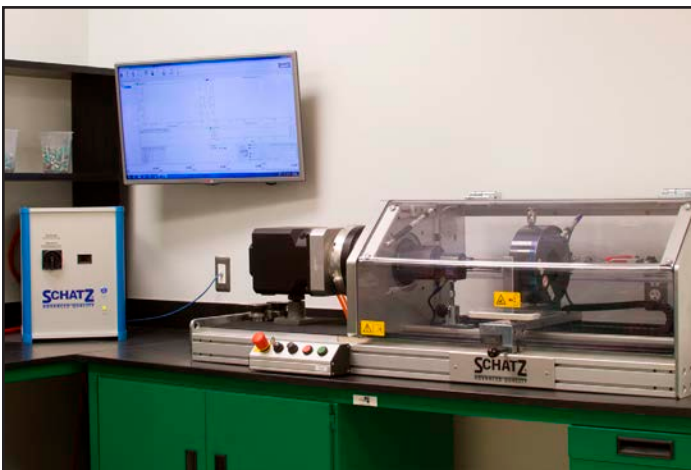


ND Industries, parent company of Vibra-Tite, annually manufactures over one million pounds of a wide variety of adhesives, anaerobics, epoxies, ultraviolets, acrylics, and more. ND Industries offers chemical toll blending services to our customers. Provide us with your formula and we'll blend, package, and prepare your product for shipment.



## **Laboratory Testing**

ND Industries has a certified facility that can be utilized to perform testing and analysis on your products. ND Technologies Group holds testing accreditation through the American Association for Laboratory Accreditation (A2LA) in accordance with ISO/IEC standard 17025. This accreditation demonstrates ND's technical competence in performing a variety of tests on threaded fasteners, adhesives, sealants, coatings, and mastics for the automotive, aerospace, and electronic industries.





# TO MEET YOUR CUSTOMIZED NEEDS

## Bottling and Packaging Services



ND Industries manufactures many adhesives and sealants for private label use and can fill, label, and package bottled products to your specifications. ND Industries can also supply bulk materials. We provide private labeling services including label design and production with minimum quantity requirements substantially lower than our competitors.



## Custom Formulations

ND's Development Lab can create custom adhesive and sealant formulations based on your requirements. Depending on testing requirements, material can be subjected to any number of experiments. In the Analytical Lab, ND will conduct evaluations as your product advances through development to the prototype stage. Whether using differential scanning calorimetry to determine the glass transition temperature of a polymer, Fourier transform infrared spectroscopy to examine material composition, or a cone and plate viscometer to identify threadlocker viscosity rates, ND's chemists will thoroughly evaluate the properties of your customized material.





**PreApplied**

ND's service centers can Pre-Apply ND products on ND-supplied or customer supplied fasteners. The service centers are tooled with state-of-the-art fastener processing equipment to provide quality products and rapid distribution.

#### ONE OF THE INDUSTRY'S BROADEST PRODUCT LINES

ND offers a wide range of fastening and assembly related products and processes that exhibit one or more of the following characteristics:

Locking	Re-Useability	Noise and Vibration Reduction
Sealing	Cushioning	Minimization of Galling/Stripping
Bonding	Insulating	Masking
Lubricating	Identification	Temporary Retention

In order to assist customers in understanding ND's current product line, the products have been categorized by their function: Inert Locking, Reactive Locking, Advanced Sealing, Masking and Lubricating, and Assemble EZ. In addition to the products listed here, ND offers customized formulations for your unique fastening and assembly needs.

#### CUSTOMERS SERVED

With its growing family of fastening and assembly products and services, ND meets or exceeds many of the rigorous standards established by the automotive, aerospace, and defense industries.

##### Customers:

CHRYSLER  
GENERAL MOTORS  
FORD MOTOR COMPANY  
BOEING  
LOCKHEED MARTIN  
JOHN DEERE  
MACK TRUCK  
CUMMINS ENGINE  
VOLKSWAGEN  
GENERAL ELECTRIC

##### Accreditations:

QS 9000 Registered  
ISO 9002 Registered  
ISO/IEC17025 Registered  
AS 9100 Registered  
QPL-18240 Listed  
QSLM Registered  
Member: Industrial Fasteners Institute

## INERT LOCKING



**ND STRIP®, ND PELL-IT®, SURE TEMP, ND PELL-IT® SOFT TOUCH TIP**

ND inserts are offered in Nylon, KEL-F® or VESPEL® which ND Industries automatically inserts into a fastener, making it self-locking and self-sealing, yet fully adjustable.



**ND PATCH® & ND PATCH® 360° RING**

ND patch products make threaded fasteners self-locking and self-sealing, while leaving them fully adjustable. Compare to Tuf-Lok®



**Vibra-Tite® VC-3®**

Vibra-Tite VC-3 is not an anaerobic or an adhesive. It is a unique blend of acrylic resins that make any threaded fastener self-locking and self-sealing, while remaining service removable.

## REACTIVE LOCKING



**EPOXY-LOCK®**

Epoxy-Lock is a powerful locking / sealing, adhesive which is pre-applied to either male or female threaded fasteners. Though the adhesive surface is dry to the touch, the forces of engagement initiate a chemical reaction.



**ND MICROSPHERES®**

ND Microspheres are offered in acrylic and epoxy formulations, available in pre-applied or bulk for application by other fastener coater / converters. Compare to 3M™ Scotch-grip™, LOCTITE® Dri-Loc®, & omniTECHNIK Precoat®.



**EXPAND-A-LOCK™**

Expand-A-Lock is an original 2-in-1 application and the most effective way to simultaneously lock and bond fasteners and seal against all air and fluid leakage.

## ADVANCED SEALING



**ST-3®**

ST-3 is designed to be applied by ND or on the customer's automated band coating equipment or tumble coater. Compare to 3M™ Scotch-Grip™ 4291, and LOCTITE® Vibra-Seal® 516, 517, 503, and 503H.



**ND PLASTISOL**

ND Plastisol provides a positive seal that eliminates leaks. It is available in a wide variety of durometers and colors.



**ND PLASTISOL OPENMOLD**

ND Plastisol Open-Mold are parts made of moldable PVC materials that can seal, trim, cushion, insulate and control noise and vibration... often at a fraction of the cost of die cutting and injection molding.



**ND MASTICS & EXPANDABLES**

Crushable mastics evenly fill and seal all voids and are applied by the assembler. Heat causes the material in Expandables to expand and adhere to metal, creating a seal while filling in the gaps.



**SEALTEK™ 1120**

A medium viscosity, cure in place gasket. This system forms a resilient, soft and flexible gasket that can conform to almost any dimensional surface. Cures rapidly with heat or UV radiation.

## MASKING & LUBRICATING



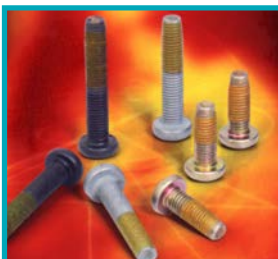
**ANTI-SEIZE 917 COMPOUND**

ND's 917 Anti-Seize compound is a high temperature lubricant formulated with Nickel to prevent seizing, galling, pitting and excessive wear and corrosion. Ideal where different metals come in contact. It will not wash or squeeze out.



**ND LM-1293®**

An automotive approved process, ND LM-1293 is a PTFE-type fastener coating that lubricates and prevents undesirable substances from adhering to fastener threads. Compare to Nycote®.



**EZ Drive 300™**

An ergonomic assembly aid designed to increase installation efficiency by reducing friction by as much as 75%

## ASSEMBLE EZ



**STAY-PUT®**

Stay-Put provides temporary, yet dependable retention for fasteners or other components prior to and during the assembly process.



**ND COLOR CODE**

Whether your need is to identify some special characteristics or to color match a fastener head to a mating surface, ND is your source for color identification.



# ND Pre-Applied Comparison Chart

ND INDUSTRIES PROCESS	COMPETES WITH
Anti-Seize 917	LOCTITE® Pre-applied Anti-Seize, Nylok® Ny Plate®
Epoxy-Lock	3M™ Fastener Adhesive, Loctite® Dri-Loc®, Precote® 80
ND LM-1293	Nylok® Nycote®
ND Microspheres 293 / 593SA	ThreeBond 2446
ND Microspheres 593 Red	ThreeBond 2481
ND Microspheres 593S	3M™ Fastener Adhesive 2353 & 4844, ThreeBond 2430
ND Microspheres 593SB	ThreeBond 2440 & 2440B
ND Microspheres 1193S	3M™ Fastener Adhesive 2451 & 2510, ThreeBond 2440
ND Microspheres TA300	Precote® 30, ThreeBond 2471 & 2415
ND Microspheres TA800	Precote® 80
ND Microspheres TA850	Precote® 85, ThreeBond 2403 & 2411
ND Microspheres AA0695	Loctite® Dri-Loc® 200
ND Microspheres AA0696	Loctite® Dri-Loc® 200
ND Microspheres AA0795	Loctite® Dri-Loc® 201
ND Microspheres AA0796	Loctite® Dri-Loc® 201
ND Microspheres AA0895	Loctite® Dri-Loc® 202
ND Microspheres AA0896	Loctite® Dri-Loc® 202, ThreeBond 2457
ND Microspheres AA0995	Loctite® Dri-Loc® 203
ND Microspheres AA0996	Loctite® Dri-Loc® 203
ND Microspheres AA1095	Loctite® Dri-Loc® 204
ND Microspheres AA1096	Loctite® Dri-Loc® 204, ThreeBond 2475
ND Microspheres AA1195	Loctite® Dri-Loc® STS
ND Microspheres AA1196	Loctite® Dri-Loc® STS
ND Microspheres AA1295	Loctite® Dri-Loc® 211
ND Microspheres AA1296	Loctite® Dri-Loc® 211
ND Microspheres AA1395	Loctite® Dri-Loc® 218
ND Microspheres AA1396	Loctite® Dri-Loc® 218
ND Patch	Nylok® Blue Patch
ND Patch Hi-Temp	Nylok® Ny Temp®
ND Pell-It	Nylok® Blue® Pellet
ND Strip	Nylok® Torq-Strip®
NDEM223	L&L Products L1041
NDM97	L&L Products L1030, Forest City FC-XE-16, Chemseco 3002
ND Plastisol	Nylok® Ny Plas®
Sealtek 1120	Nylok® Ny Seal®, Anochrome Group® Rimlex®
ND ST-3-W	3M™ Thread Sealant 4291
ND ST-3-L3	3M™ Thread Sealant 4291
ND ST-3-L4	Precote® 5
ND ST-3-L5	Loctite® Vibra-Seal® 503
ND ST-3-L5A	Loctite® Vibra-Seal® 503HV
ND ST-3-L6	Loctite® Vibra-Seal® 516
ND ST-3-L7	Loctite® Vibra-Seal® 517
ND ST-3-L8	Loctite® Vibra-Seal® 503 mod
ND ST-3-L8A	Loctite® Vibra-Seal® 503 HVmod
ND ST-3-L10	Loctite® Vibra-Seal® 517 mod
ND ST-3-L11	Loctite® Dri-Seal® 506
ND ST-3-L13	Loctite® Dri-Seal® 513
Stay-Put	Nylok® Ny Stay®



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# Vibra-TITE®



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## ND Pre-Applied Processing Centers

Oakland, New Jersey	Northbrook, Illinois	Kaohsiung, Taiwan
Charlotte, North Carolina	Rockford, Illinois	Kunshan City, China
Clawson, Michigan	Arlington, Texas	Istanbul, Turkey
Twinsburg, Ohio	Santa Fe Springs, California	