

Kem® Vibra-TITE®

ADHESIVES AND SEALANTS

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



In Collaboration with Vibra-Tite





For over forty years now, Chembond has been operating on the principle of offering innovative, cutting edge products at significant value to its customers, the same philosophy with which Dr. Vinod D. Shah founded the company.

Chembond, listed on the Bombay Stock Exchange, is family run yet professionally managed, and has a large team of researchers working on continuing these principles. Chembond manufactures and provides products and solutions for industrial water treatment, adhesives & sealants, construction chemicals, coatings, animal nutrition, and industrial biotechnology.

Nationwide Presence: With modern production facilities at Tarapur, Vadodara, Navi Mumbai, Ranipet, and Baddi, conforming to the highest standards of ISO 9001, ISO 14000, TS 16949, and OSHAS 18000, Chembond is a preferred choice company that is able to serve customers better and faster!



Chembond and Vibra-TITE - a Winning Combination! Chembond and ND Industries, Inc. of Clawson, Michigan, USA have formed an alliance to introduce the wide range of Kem Vibra-Tite industrial adhesives for,

- OEM's in the automotive, automotive components, agri and construction equipment, appliances, engineering, rail, jewellery, eyeglass, electronics, and defence industries.
- MRO operations in refineries, steel plants, cement plants, power plants, chemical and fertiliser plants, pharmaceuticals, mining, pulp & paper, etc.

Vibra-Tite, the bottled products division of ND Industries, is one of the world 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. As a result of the in-house capabilities of ND Industries and Chembond, Kem Vibra-Tite is able to offer high performance adhesives that deliver value to the customer.

Kem® Vibra-TITE® PRODUCT LINE CARD

We provide locking, sealing, lubrication, and adhesion products for industrial assemblies



Anaerobic Threadlockers - Lock and seal threaded fasteners.
Types: Low Strength, Medium Strength, Oil Tolerant, High Strength, Permanent Strength
Sizes: 50 mL Bottle, 250 mL Bottle, 1 L Jug



VC-3 Threadmate - Non-traditional threadlocker. Adjustable; Removable; Reusable. Prevents loosening of fasteners from shock and vibration.
Size: 30 mL Bottle with Brush Cap Applicator



Thread Sealants - Seal and secure metal pipes and fittings.
Types: Hydraulic, Pneumatic, Refrigerant, General Purpose, Controlled & High Strength
Sizes: 50 mL Tube, 250 mL Tube, 50 mL Bottle, 250 mL Bottle, 1 L Jug



Retaining Compounds - Increase shear strength on non-threaded, cylindrical metal assemblies.
Types: General Purpose, High Strength, Impact Resistant, Rapid Curing, Core Plug Sealant, High Temp.
Sizes: 10 mL Bottle, 50 mL Bottle, 250 mL Bottle, 1 L Jug



Anaerobic Gasketing - Remains in liquid state when exposed to air. Cures when confined between mating flanges.
Types: Gear Boxes, Oil Sump, Pumps, Compressors, Transmission Housings, Axel Covers
Sizes: 50 mL Tube, 250 mL Tube



RTV Grey Silicone - one-part neutral cure silicone sealant.
Types: Long-lasting flexible seal with excellent adhesion to most surfaces, intended for a variety of general purpose and industrial applications.
Size: 300 ml Cartridge



Cyanoacrylates (Super Glues) - Single-part, quick-fixturing, clear adhesives.
Types: Multi-Purpose, Wicking Grade, Metal Bonder, Plastic Bonder, Shock Resistant, Rubber Toughened
Size: 20 gm Bottle, 28.3 gm (1 oz) Bottle



Epoxy Adhesives - one & two component, very strong bond between substrates. Metal to Magnet Bonding, Metal to Metal Bonding, Magneto Rotor Assembly, Electric Motor Assembly.
Size: 5 kg Metal tin



General Purpose Epoxy Putty - Two component room temperature setting, easy to mix putty. Sealing blowholes, cracks, and leakage in ferrous and non-ferrous casting, pumps and mould boxes etc.
Size: 1 kg Pack



Polyurethane Sealant - one-component, high-modulus PU sealant. High strength, flexible bonding and sealing of metal panels, sandwich panels and glass / windshields for Buses, Trucks, Insulated Vans, etc.
Sizes: 600 ml Sausage, 310 ml Cartridge

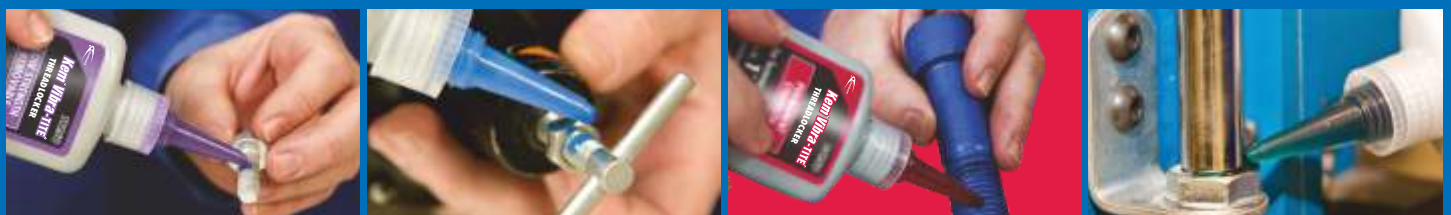
Kem® Vibra-TITE® THREADLOCKERS

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

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



Kem Vibra-Tite Part #	Available Sizes	Product Description	Colour	Viscosity (cP)	Max Gap Fill (mm)	Torque Strength, Break / Prevail (Nm)	Temp Range, °C	Fixture Time (min.)	Specific Gravity	Specs Met
111		LOW STRENGTH								
11150	50 mL Bottle	Easy to remove- for fasteners smaller than 6 mm diameter.	Purple	1200 - 1500 Thixotropic	0.18	8 / 3	-55 to 150	10 - 30	1.05	MIL-S-46163A ASTM D-5363 NSF Non-Food
11125	250 mL Bottle									
121		MEDIUM STRENGTH								
12150	50 mL Bottle	Removable Grade for fasteners 6 mm to 18 mm diameter.	Blue	1200 - 1500 Thixotropic	0.18	15 / 5	-55 to 150	10 - 30	1.07	MIL-S-46163A ASTM D-5363 NSF Non-Food
12125	250 mL Bottle									
122		OIL TOLERANT								
12250	50 mL Bottle	Used on fasteners from 6 mm to 18 mm diameter.	Blue	1200 - 1500 Thixotropic	0.38	22 / 8	-55 to 150	5 - 10	1.08	
12225	250 mL Bottle									
131		PERMANENT STRENGTH								
13150	50 mL Bottle	Permanently locks nuts and bolts up to 25 mm diameter.	Red	1800 - 5000 Thixotropic	0.18	23 / 25	-55 to 150	5 - 20	1.05	MIL-S-46163A ASTM D-5363 NSF Non-Food
13125	250 mL Bottle									
137		HIGH TEMP / HIGH STRENGTH								
13750	50 mL Bottle	Permanently locks nuts and bolts up to 38 mm diameter.	Red	9500	0.18	34 / 28	-55 to 230	5 - 60	1.11	
13725	250 mL Bottle									
140		PERMANENT STRENGTH								
14050	50 mL Bottle	Permanently locks nuts and bolts up to 25 mm diameter.	Red	500	0.18	28 / 31	-55 to 150	10 - 30	1.1	MIL-S-46163A ASTM D-5363
14025	250 mL Bottle									
146		PERMANENT STRENGTH								
14650	50 mL Bottle	Permanently locks nuts and bolts up to 38 mm diameter.	Red	7000	0.250	34 / 28	-55 to 150	10 - 20	1.12	MIL-S-46163A ASTM D-5363
14625	250 mL Bottle									
150		MEDIUM STRENGTH WICKING GRADE								
15050	50 mL Bottle	Used on pre-assembled fasteners up to 12 mm diameter and porous die castings.	Green	12	0.100	10 / 28	-55 to 150	5 - 20	1.08	MIL-S-46163A ASTM D-5363 NSF Non-Food
15025	250 mL Bottle									



Not an Adhesive! Not an Anaerobic! **Kem® Vibra-TITE®**

Kem Vibra-TITE VC-3 Threadmate is a powerful locking and sealing coating for threaded fasteners that works on the principle of “friction through viscosity”. Kem 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.

Kem Vibra-Tite VC-3 also works to resist leakage at fastening points by acting as a dam between mated threads.



Available size:

30 ml Bottle with Brush

*Made to Order



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 spectacle screws to large construction bolts

**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

Colour	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 54°C
Operational temperature range	-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

Kem 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

Kem® 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
- Sevice removable



Kem 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. Kem 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, Kem 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.

Benefits:

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

Kem Vibra-Tite Part #	Available Sizes	Product Description	Colour	Viscosity (cP)	Max Gap Fill (mm)	Sealing Pressure (MPa)	Temp Range, °C	Fixture Time (min.)	Suggested Primer	Specs Met
420		CONTROLLED STRENGTH - SLOW CURE								
42050	50 mL Tube	Industrial grade, controlled locking strength, metal fittings. High Temp & high performance. Gasoline resistant.	White	150,000-550,000 Paste	0.300	70	-55 to 150	60	611 or 612	
42025	250 mL Tube									
427		MEDIUM STRENGTH - STAINLESS STEEL								
42750	50 mL Tube	High Performance Sealant.	Yellow	420,000	0.300	70	-55 to 150	90	611 or 612	
42725	250 mL Tube									
440		PNEUMATIC / HYDRAULIC SEALANT								
44050	50 mL Tube	Pneumatic and hydraulic sealant for fluid, power and gas system connections.	Purple	16,000	0.175	70	-55 to 150	30	611 or 612	
44025	250 mL Tube									
460		HIGH TEMPERATURE - STAINLESS STEEL								
46050	50 mL Tube	General purpose. For stainless steel and other inert metal threaded pipes and fittings. Gasoline resistant.	White	356,000	0.300	70	-55 to 150	60	611 or 612	GM 1182607
46025	250 mL Tube									



Kem® 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 assemblies
- Seals joints against leakage
- Prevents corrosion
- UV / Blacklight indicator



Kem 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.

Benefits:

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

Kem Vibra-Tite Part #	Available Sizes	Product Description	Viscosity (cP)	Max Gap Fill (mm)	Sealing Pressure (MPa)	Temp Range, °C	Fixture Time (min.)	Specific Gravity	Suggested Primer	Specs Met
530		GENERAL PURPOSE - GREEN								
53050	50 mL Bottle	General purpose for: rotors, augment press fits, shafts, bushings, bearings and pulleys.	125	0.125	15+	-55 to 150	10 - 20	1.1	611 or 612	MIL-R-46082 ASTM D-5363 GM-1183024
53025	250 mL Bottle									
538		HIGH STRENGTH - GREEN								
53850	50 mL Bottle	High strength for loose fitting parts.	2500	0.375	27+	-55 to 150	5	1.09	611 or 612	
53825	250 mL Bottle									
541		HIGH STRENGTH - SLIP FIT - GREEN								
54150	50 mL Bottle	High strength gap filling. Permanently retains slip-fit. For: rotors, shafts, impellers, and splines.	1200	0.375	20+	-55 to 150	20 - 40	1.11	612	NSF Non-Food
54125	250 mL Bottle									
546		IMPACT RESISTANT - GREEN								
54650	50 mL Bottle	Flexible for impact resistance.	600	0.375	13+	-55 to 150	20 - 40	1.09	611	
54625	250 mL Bottle									
548		RAPID CURING - GREEN								
54850	50 mL Bottle	Fast fixturing for close fitting parts, high strength for stainless steel	500	0.175	24+	-55 to 175	5	1.09	611 or 612	
54825	250 mL Bottle									
567		HIGH TEMPERATURE - LARGE GAP - GREEN								
56750	50 mL Bottle	High temperature gap filling for: rotors, shafts, bushings, bearings and pulleys.	7000	0.375	24+	-55 to 230	20 - 30	1.16	611 or 612	GM-1183024
56725	250 mL Bottle									



Kem® Vibra-TITE® ANAEROBIC GASKETING



Benefits:

- Remain liquid when exposed to air
- Cures when confined between mating flanges
- Can fill gaps as large as 0.25 mm
- Alleviates the need for performed gaskets

Typical Applications:

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

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

Kem Vibra-Tite Part #	Available Sizes	Product Description	Colour	Viscosity (cP)	Max Gap Fill (mm)	Temp Range, °C	Cure Speed	Suggested Primer	Specs Met
710	HIGH TEMPERATURE RIGID FLANGE SEALANT								
71050	50 mL Tube	High temperature rigid flange sealant withstands temperatures up to 400°F	Pink	188,000 - 500,000 Thixotropic	Unprimed: 0.250 Primed: 0.500	-55 to 150	Unprimed: 4-24 hrs Primed: 30 min - 4 hrs	611 or 612	
71025	250 mL Tube								
724	FAST FLANGE SEALANT								
72450	50 mL Tube	Provides fast low pressure sea.	Orange	62,000 - 300,000 Thixotropic	Unprimed: 0.250 Primed: 0.500	-55 to 150	Unprimed: 4-24 hrs Primed: 30 min - 4 hrs	611	
72425	250 mL Tube								
730	FLEXIBLE GASKET MAKER - SOLVENT RESISTANT								
73050	50 mL Tube	Suitable for aluminium and rigid machined flanges.	Red	800,000 - 3,750,000 Thixotropic	Unprimed: 0.250 Primed: 0.500	-55 to 150	Unprimed: 1-14 hrs Primed: 15 min - 2 hrs	611	GM-1182863
73025	250 mL Tube								
732	FLEXIBLE GASKET MAKER								
73250	50 mL Tube	General purpose gasket maker that flexes with flanges.	Purple	275,000 - 950,000 Thixotropic	Unprimed: 0.250 Primed: 0.500	-55 to 150	Unprimed: 4-24 hrs Primed: 30 min - 4 hrs	611	
73225	250 mL Tube								

Kem® Vibra-TITE® 999 RTV Grey Silicone

Kem Vibra-TITE 999 RTV Grey Silicone Sealant is designed for use in mechanical assemblies, RTV Silicones creates a “formed-in-place” gasket with excellent resistance to temperature, moisture, vibration, and weathering. RTV Silicones can eliminate the need for costly cut gaskets.

Benefits:

- Adhesion to many substrates
- Withstands extreme temp. cycling
- Excellent chemical resistance
- One-part formulation
- Room temperature cure
- Extremely flexible
- Uniform Sealant Consistency over a wide range of temperatures
- No loss of extrusion or physical properties even applied in sub-zero weather conditions
- Retains elastomeric properties at temperatures from - 55 °C to 260 °C
- Can be used for intermittent exposure at temperatures up to 315 °C



Kem Vibra-Tite Part #	Available Size	Product Description	Cure Type	Temp Range, °C
999		RTV GREY SILICONE		
999	300 ml Cartridge	RTV Grey Silicone Sealant is designed for use in mechanical assemblies	Oxime (Neutral Cure)	55 °C to 260 °C

Kem® Vibra-TITE® CYANOACRYLATES

Benefits:

- Bonds to a variety of dissimilar materials
- High strength on narrow surface areas
- Special grades for bonding metals or porous substrates
- Shock and impact resistant instant adhesives

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



Kem Vibra-Tite Part #	Available Sizes	Product Description	Viscosity (cP)	Max Gap Fill (mm)	Shear Strength (MPa)	Temp Range, °C	Fixture Time	Specific Gravity	Base	Specs Met
301		SURFACE INSENSITIVE - GENERAL - CLEAR								
30120	20 gm Bottle	A fast setting, low to medium viscosity cyanoacrylate adhesive for use on all types of substrates. Ideal for filling small gaps.	90 - 120	0.125	22	-55 to 95	15 sec	1.06	Ethyl	
301-i		FAST SETTING CYANOACRYLATE ADHESIVE								
301-i	20 gm Bottle	Low viscosity, medium velocity cyanoacrylate adhesive for use on pretreated metal to rubber parts, plastics, wood etc.	1 - 5	0.04	20	-55 to 82	15 sec	1.05	Ethyl	
302		MEDIUM VISCOSITY, MEDIUM SETTING								
30220	20 gm Bottle	A medium viscosity, medium setting velocity cyanoacrylate adhesive for use on pretreated metal to rubber parts, plastics, wood etc.	80 - 100	0.15	9.8	-55 to 80	20 sec	1.06	Ethyl	
303		GENERAL PURPOSE - CLEAR								
30320	20 gm Bottle	A very low viscosity, very fast setting velocity Cyanoacrylate adhesive that Bonds Acidic, Insensitive Surface with an extremely fast setting time.	2 - 5	0.1	9.8	-55 to 80	5 sec	1.05	Ethyl	
306		SURFACE INSENSITIVE - WICKING - CLEAR								
30620	20 gm Bottle	A medium low viscosity, fast setting velocity cyanoacrylate adhesive Ideal for bonding preassembled parts, plastics, TPR Elastomers, difficult to bond rubber compounds like EPDM, nitrile, neoprene, viton, EVA, SBS rubber, ABS, Plasticized & rigid PVC.	18 - 26	0.1	22	-55 to 93	15 sec	1.06	Ethyl	A-A3097 Type II- Class 1
315		METAL & RUBBER BONDER - CLEAR								
31520	20 gm Bottle	A Medium Viscosity, medium setting velocity methyl-based instant cyanoacrylate adhesive. Well suited to metals and suitable for rubbers and plastic, pretreated metal to rubber parts.	40 - 70	0.1	15	-55 to 80	15 sec	1.1	Methyl	
330		METAL & RUBBER BONDER - CLEAR								
33020	20 gm Bottle	A single component, low to medium viscosity ethyl cyanoacrylate adhesive.	123 - 127	0.15	17	-55 to 95	30 sec	1.09	Ethyl	A-A3097 Type II- Class 1
380		RUBBER TOUGHENED -SHOCK/TEMPERATURE RESISTANT - BLACK								
38020	20 gm Bottle	Black colored, Rubber toughened -shock-vibration, temperature resistant with medium setting time. Ideal for automotive rubber parts, loudspeaker voice coil, mouting electrical components, bonding auto bumper strips.	300 - 400	0.15	20	-55 to 105	50 sec	1.06	Ethyl	
395		SURFACE INSENSITIVE-MEDIUM VISCOSITY								
39520	20 gm Bottle	A Medium Viscosity Medium Setting Velocity ethyl Cyanoacrylate adhesive. Ideal for use to bond EPDM rubber, metals, and plastic parts.	45 - 65	0.06	20	-55 to 82	40 sec	1.05	Ethyl	

Kem[®] TITE Epoxy Adhesives

Epoxy adhesives exhibit a very strong bond between substrates. One and two component grades available for various applications.

Salient Features:

- Very high strength bonding
- Ease of application
- Excellent dimensional stability
- No shrinkage
- Excellent solvent & oil resistance

Benefits:

- Excellent adhesion on steel, Ceramics, magnets & other metal
- High shear strength
- Excellent chemical resistance
- High temperature resistant (+ 150 & intermittent +200°C)

Application:

- Metal to magnet bonding
- Metal to metal bonding
- Magneto rotor assembly
- Electric motor assembly



Kem-Tite Part #	Available Size	Product Description	Viscosity (Poise)	Shear Strength (kg/cm ²)	Temp Range, °C	Fixture Time	Specific Gravity	Base
EP101		ONE COMPONENT EPOXY ADHESIVE						
91015	5 kg Metallic Tin	Heat-cure one component epoxy adhesive exhibits very high bonding strength to metals, magnets and ceramics.	1500 - 2500	> 200	150	30 minutes at 150 ± 2 °C	1.30	Epoxy
EP202		TWO COMPONENT EPOXY ADHESIVE						
92022	1.8 kg Plastic Container	Kem Tite epoxy adhesive is a two component room temperature setting adhesive system.	Resin: 250 to 500 Hardener: 250-500	> 180 (Mix ratio : Resin : Hardener v/v= 1:1 w/w =100:80)	120	Pot life: 60-70 minutes. Full cure: 24 hrs	Resin: 1.15 Hardener: 0.90	Epoxy

Kem[®] TITE GP General Purpose Epoxy Putty

Kem Tite GP is a two component room temperature setting, easy to use general purpose putty.



Kem Tite Part #	Available Size	Product Description	Viscosity (Poise)	Tensile Strength (kg/cm ²)	Temp Range, °C	Setting Time	Base	
EP201		GENERAL PURPOSE EPOXY PUTTY						
92011	1 kg Pack	Kem Tite GP is two component room temperature setting, easy to mix putty.	Putty	> 200 (MS to MS)	80	60 min approx	Epoxy	

Kem[®] SEAL Polyurethane Sealants

One-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity. Possesses excellent adhesion to sheet metal, glass, aluminum, stainless steel, lead, copper, ceramic, wood etc.

Typical Applications:

- Body construction of buses, CV's, cars
- Sealing and bonding of ventilation ducts, gutters
- Sealing of sheet metal seams
- Vibration reduction in sheet metal assemblies
- Sealing against water, air, gas and dust

Benefits:

- Ageing and weathering resistant
- Bonds to variety of substrates without the need for pre-treatment
- High elasticity under various conditions
- High mechanical performance
- Paintable



Kem-Seal Part #	Available Size	Product Description	Density (g/ml)	Tensile Strength n/mm ² (ISO 37)	Temp Range, °C	Elongation at Break (ISO 37)	Hardness Shore A	Base
PU 50-FC		POLYURETHANE SEALANT						
PU 50-FC	600 ml Sausage	One-component, moisture cured high-modulus polyurethane sealant.	1.08 +/- 0.03	Min 2.5 ISO 37	- 40 to + 90	> / = 300%	50 +/- 5	Polyurethane



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:	Accreditations:
CHRYSLER	QS 9000 Registered
GENERAL MOTORS	ISO 9002 Registered
FORD MOTOR COMPANY	ISO/IEC17025 Registered
BOEING	AS 9100 Registered
LOCKHEED MARTIN	QPL-18240 Listed
JOHN DEERE	QSLM Registered
MACK TRUCK	Member: Industrial Fasteners Institute
CUMMINS ENGINE	
VOLKSWAGEN	
GENERAL ELECTRIC	

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 selflocking and self-sealing, while leaving them fully adjustable.



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 MICROSOPHERES®

ND Microspheres are offered in acrylic and epoxy formulations, available in pre-applied or bulk for application by other fastener coater / converters.



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.



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 Teflon®-type fastener coating that lubricates and prevents undesirable substances from adhering to fastener threads.



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.



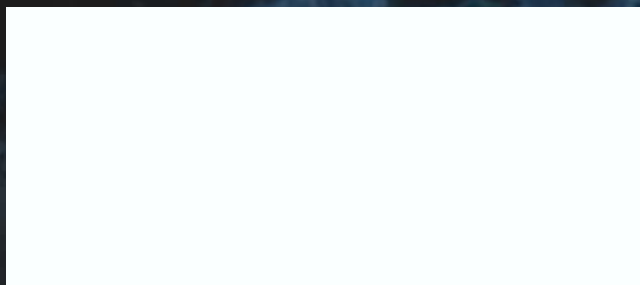
ND COLOR CODE

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.

Kem® Vibra-TITE®



To Place An Order:



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