

Vibra-TITE[®]



**A UNIQUE THREADLOCKER!
WON'T CRACK OR SHATTER!**

- **ADJUSTABLE**
- **REMOVABLE**
- **REUSABLE**

Works great with:

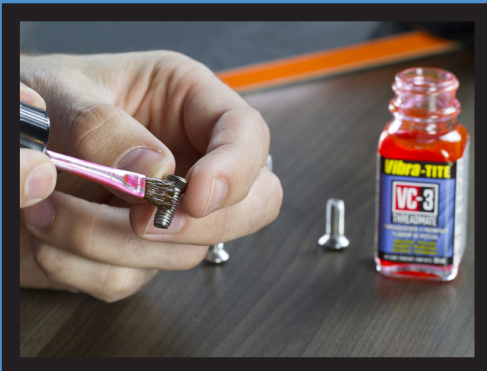
- Metal, wood, plastic*, and more
- Fasteners of any shape or size
- Internal or external threads

* See table on back for compatibility

**Prevents fastener loosening
due to shock & vibration**

Will not harden like traditional threadlockers.

VC-3 Threadmate damps and absorbs vibration, preventing fastener rotation and the loss of clamp force.



Size	Container	Vibra-Tite P/N
1 mL	Pillow Pack	21302
5 mL	Tube	21305
30 mL	Bottle	21330
250 mL	Can	21325
1 Gal	Can	21300



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MADE IN
U.S.A.



DESCRIPTION:

- NOT AN ADHESIVE & NOT AN ANAEROBIC
- Vibra-Tite VC-3 Threadmate is a powerful locking and sealing coating for threaded fasteners that works on the principle of “vibration damping through viscosity.” It utilizes a special blend of acrylic resins to prevent fasteners from loosening — even under extreme vibration.
- Designed for use on internal and external threads of virtually any material or finish, Vibra-Tite VC-3 dries to the touch within seconds of application.
- Coated parts are ready for assembly in just a few minutes.
- Pre-cleaning of parts is not required except for wiping off any visible oil, grease, or dirt for optimal performance.

APPLICATIONS:

- From tiny eyeglass screws to huge construction bolts, VC-3 is ideal for use on fasteners of any size.
- In addition to supplying user-applied bottles and cans for on-the-job application, ND Industries can apply VC-3 at any of our regional service centers.

FEATURES:

- Excellent Coated Shelf Life: Parts coated with Vibra-Tite VC-3 can be stored indefinitely before use.
- Versatile: Vibra-Tite VC-3 adheres to both ferrous and non-ferrous metals, most platings, wood, and plastic* screws. (*See table below.)
- Creates a Reliable, Powerful Lock & Seal: With exceptional reliability, Vibra-Tite VC-3 holds parts in place even during extreme vibration and resists leakage by acting as a dam between mated threads.
- Offers Multiple Reuses: Using steady pressure and standard hand tools, parts coated with Vibra-Tite VC-3 can easily be adjusted, removed, and reused.
- Minimizes Galling/Stripping: Since Vibra-Tite VC-3 remains a thick, resilient, taffy-like “viscous resin,” its cold flow properties actually minimize galling or stripping of soft threads during reuse.
- Underwater Installation: Unlike anaerobics, VC-3 can be air dried then installed into mating part under both fresh and salt water.

Solvent Base	Evaporation Rate	Plastic Compatibility
Methyl Ethyl Ketone	3.8	ECTFE, EPDM, FEP, Nylon 6/6, PE, PEEK, PET, PFA, PP, PPS, PTFE, TFE, UHMW

Material Properties	
Color	Red (custom colors can be manufactured dependent on quantity)
Solvent	Methyl ethyl ketone
Cured form	Resilient plastic
Shelf life	Bottled: 5 years from date of manufacture. Applied: Indefinite.
Chemical resistance	Offers resistance to most solvents (acts as a partial corrosion barrier)
Dries to touch	In minutes
Dries for use	10 - 30 minutes, but longer is better
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
Reusability	5 or more times
Engagement torque	Moderate
Breakaway torque	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

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

MILITARY:

- Lockheed Martin: 11663357, Cage# 18876, P5407, 507-13-410
- General Dynamics: 13233419
- Harris Corporation: DWG. P30-0013
- National Stock Number: 8030-00-163-5792
- Naval Sea Sys Comm: 5174855
- US Army Missile Comm: 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

