

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 dampens 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



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 “friction through viscosity.” It utilizes a special blend of acrylic resins to prevent fasteners from loosening – even under extreme vibration.
- Designed for use on external and internal 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	
Container Size (user-applied)	1 oz. (30 cc), 8 oz. (250 cc), or larger containers
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	In 30 minutes. Can vary depending on thickness
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

