



Product Description

Vibra-Tite® VC-3® can be pre-applied at ND Industries' Processing Centers producing a completely dry, ready-to-use, inert self-locking fastener. Alternatively, Vibra-Tite VC-3 is available for purchase in various bottled sizes through the Vibra-Tite brand. When processed by ND Industries, a highly engineered process assures very precise placement of the threadlocking compound. Generally, the placement of the Vibra-Tite VC-3 material is two to three threads from the end of the fastener to allow for trouble-free starting of the assembly. Processing can be adjusted to coat any number of threads and to adjust the amount of material application to provide a targeted prevailing on and removal torque.

Vibra-Tite VC-3 is not an adhesive and it is not an anaerobic. Vibra-Tite VC-3 is a special blend of resins to prevent fasteners from loosening through a principle of "friction through viscosity".

Applications:

Vibra-Tite VC-3 is used in a wide range of industries. Examples are included (but not limited) in the list below:

- Eye Glass Screws
- Electronic Component Hardware
- Set Screws
- Door Assemblies
- Military and Defense
- Large Appliances
- Off Road Equipment
- Farm Equipment
- Construction Fasteners
- Furniture Hardware
- Aerospace
- Agricultural Equipment
- Many more

Features of Vibra-Tite VC-3:

- **Excellent Shelf-Life:** Fasteners coated with Vibra-Tite VC-3 can be stored indefinitely prior to installation.
- **Immediate Use:** Pre-Applied Vibra-Tite VC-3 arrives dry and ready for installation.
- **Surface Insensitive:** Vibra-Tite VC-3 adheres to virtually any surface including ferrous and non-ferrous metals, all platings, wood, and plastic screws*
- **Reusable:** Vibra-Tite VC-3 is adjustable, removable and reusable without the need for reapplication.
- **Prevents Leakage:** Vibra-Tite VC-3 resists leakage by acting as a dam between threaded fasteners.
- **Minimizes Galling and Stripping:** Due to the soft, resilient, and viscous nature, the cold flow properties of Vibra-Tite VC-3 minimizes galling and stripping of soft threads.
- **Low Cost:** Vibra-Tite VC-3 is a lower cost than most common anaerobic threadlockers. Less expensive and more effective than mechanical locking features
- **Low Outgassing:** Vibra-Tite VC-3 meets the low outgassing requirements of NASA SP-R-0022A/ASTM E595



Vibra-Tite VC-3 Specifications

Color	Typically, Red
Shelf Life	Indefinite (recommended storage conditions +4°C to +32°C and relative humidity <50%)
Chemical Resistance	Resistant to many common solvents
Corrosion Resistance	Resistant to acid/alkali and acts as a corrosion barrier
Operational Temperatures	-54°C to +74°C (-65°F to +165°F)
Engagement (Prevailing On) Torque	Moderate
Breakaway	No distinct breakaway; slow release as material cold flows
Prevailing off	Continued and constant resistance to rotation during disengagement
Reusability	5 or more times
Lead thread Requirement	None
Typical Thread Fill	30-50% of the thread root area

*specially designed grades of Vibra-Tite are available for use on certain plastics.

Note:

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.