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Technical Data Sheet

Vibra-Tite® VC-3 Threadlocker

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Product Description

Vibra-Tite VC-3 is a powerful locking and sealing coating for threaded fasteners that works on the principle of "friction through viscosity." It utilizes a blend of acrylic resins to prevent fasteners from loosening — even under extreme vibration. Designed for use on external and internal threads of metallic and some plastics fasteners, Vibra-Tite VC-3 dries to the touch within minutes of application and 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.

Typical Applications

From tiny eyeglass screws to huge construction bolts, Vibra-Tite VC-3 is ideal for use on fasteners of any size. Vibra-Tite VC-3 adheres to ferrous and non-ferrous metals, most platings, wood, and plastic screws.

Instructions for Use

Be sure material is well mixed before applying. Apply Vibra-Tite VC-3, with standard coating length 1.5 times the diameter of the part and to achieve 30% to 50% thread fill. While Vibra-Tite VC-3 dries to the touch within minutes, the part should be given at least 30 minutes to dry before assembly.

Technical Features

Resin: ..... Acrylic Blend
Color: ..... Red
Solvent ..... Methyl Ethyl Ketone (MEK)
Viscosity @ 25°C, Brookfield RVT, Spindle 3 @ 50 rpm ..... 150-300 cps
Solids content 34%-44%
Specific gravity ..... 0.88 g/cc

Performance

Reusability ..... Up to 5 times
Engagement torque ..... Moderate
Breakaway torque ..... No distinct break; Slow, release as material cold flows

Meets NASA SP-R-0022A
TML 0.9%
CVCM 0.1%
WVR 0.1%

General Information

Safe Handling and Storage

Avoid breathing product vapors. Keep product away from all sources of ignition, heat or flame. Keep container closed when not in use. Store material in a cool, dry place.

Storage Temperature

Ideal storage temperature is between 40°F (4.4 °C) and 78°F (25.5 °C).

Shelf Life

Five years from date of manufacture.

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.