

Product Description

Vibra-Tite 141 High Strength Threadlocker is a green general purpose adhesive for permanent threaded assemblies. 141 locks fasteners up to 1" in diameter sealing against leakage and corrosion. It resists attack from most fuels, lubricants and most industrial gases.

Typical Applications

Vibra-Tite 141 eliminates double nutting and or welding of critical assemblies. The product's viscosity can be used on fine to medium threaded parts that will not require periodic disassembly.

Technical Features

Resin: Dimethacrylate
Color: Green
Fixture Speed w/Primer: <5 Sec
Fixture Speed w/out Primer: 30min @ 77°F
Viscosity (thixotropic): 500 cps
Gap Fill: 0.007"
Shelf Life: 12 months @68°F
Max. Operating Temp: -65°F to 300°F

Typical Curing Performance

Cure Speed

The cure speed is depended on temperature and substrate. The graph below shows the Breakaway Strength on M-10 Steel, Phosphate/oil, and Zinc finishes.

Performance of Cured Material

Full Cure Time: 24 hrs @ 72°F

Breakaway Strength

3/8" Plain Steel nut and bolt @24 hr: 200-300 lbs-in
3/8" Zinc plate nut and bolt@ 24 hr: 200-350 lbs-in

Instructions for Use

Ensure parts are clean, dry and free from oil and grease.

Compatible Primers

Primers such as Vibra-Tite Excel 611 (Primer N) or Excel 612 (Primer T) can be used. The use of primers can result in lower strength and performance should be tested after full cure.

General Information

Storage

Product should be stored in a cool and dry location at temperatures between 14°F (-10°C) to 86°F (30°C). Shelf life is 2 years from date of manufacture when stored at 72±8°F (22±4°C).

Note

Vibra-Tite 141 is easy to apply and is color coded green to assist in selection. It exhibits excellent chemical resistance and is ideal in applications such as large processing equipment using corrosive chemicals. The application of heat may be required to assist in removal of parts.

Health & Safety in use

IRRITANT: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water.