VIBRA-TITE IS A REGISTERED TRADEMARK OF ND INDUSTRIES, INC.

Product Description

Vibra-Tite 420 is an anaerobic thread sealing and thread locking compound for pipe fittings. Vibra-Tite 420 is designed to allow disassembly with standard hand tools. The product performs on aluminum, steel, plated, and brass. Vibra-Tite 420 exhibits good temperature and solvent resistance.

Typical Applications

Vibra-Tite 420 will seal and lock pipe thread fittings and components. Typical Application includes plumping pipes and fittings, sprinkler heads and connectors, and pipe plugs.

Properties of Uncured Material

Chemical Type: Anaerobic
Appearance: White
Toxicity: Low
Solids: 100%
Viscosity @ 25ºC, cP
Brookfield RVF,
Spindle 7 @ 2 rpm: 175,000 to 525,000
Specific Gravity: 1.10

Typical Curing Performance

Cure Speed
The cure speed is dependent on temperature and substrates. Typical full cure in 72 hours.

Compatible Primers
Primers such as Vibra-Tite Excel 611 (Primer N) or Vibra-Tite Excel 612 (Primer T) can be used. The use of primers can cause loss of strength and performance should be tested.

Performance of Cured Material

	Typical Values
Full Cure Time: 72 hrs @ 72°F	
Temperature Range: -60°F to 300°F (-51°C to 150°C)	
Breakaway Strength	
3/8" Phosphate nut and bolt @24 hr	10-75 lb_f-in

Environmental and Fluid Resistance

(Shear strength values)

	Typical Values
Heat age	100%
Engine oil@ 150°C	100%
Brake fluid @ 150°C	85%
ATF @ 150°C	85%
50/50 water/ ethylene glycol @ 120°C	80%
Water @ 90°C	100%
Gasoline @ 25°C	100%
Diesel fuel @ 25°C	100%
Ethyl Alcohol @25°C	95%

Presentation

Tubes…….....50ml, 250ml and liter (bottle)

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

Apply to clean fittings filling the 2nd and 3rd threads. Prevent uncured sealant from entering the system by not filling the first thread.

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.

Technical data contained within this document is intended for reference only
For assistance and recommendations on specifications for this product, contact ND Industries
info@ndindustries.com