

Product Description

Vibra-Tite 471 is a medium strength anaerobic thread sealing and thread locking compound for pipe fittings. Vibra-Tite 471 is designed to allow disassembly with standard hand tools. The product performs on aluminum, steel, plated, and brass. Vibra-Tite 471 exhibits medium strength with good temperature and solvent resistance.

Typical Applications

Vibra-Tite 471 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
Viscosity @ 25°C, cP
Brookfield RVF,
Spindle 7 @ 2 rpm: 250,000 to 600,000
Specific Gravity: 1.10
82 °C Block Stability: >2hrs

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" Plain nut and bolt @ 72 hr 50-100 lb_r-in
3/8" Zn Plated nut and bolt @ 72 hr 80-120 lb_r-in

Compressive Shear

Steel Pin and Collar @ 24 hr 1350psi

Environmental and Fluid Resistance

	<u>Typical Values</u>
Engine oil @ 150°C	160%
ATF @ 150°C	160%
50/50 water/ ethylene glycol @ 120°C	70%
Gasoline @ 25°C	155%

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.