



Kem Vibra-TITE 140

High Strength Anaerobic Threadlocker



Product Description

Kem Vibra-TITE 140 is a high strength, anaerobic thread locking compound. Kem Vibra-TITE 140 is designed for the permanent locking of threaded fasteners. The product performs on aluminum, steel, plated fasteners, stainless steel, and special alloy parts. Kem Vibra-TITE 140 exhibits good temperature stability and is solvent resistant.

Typical Applications

Vibra-TITE 140 will lock and seal large fasteners. Vibra-TITE 140 is used in applications where shock and vibration may cause the fastener to loosen.

Usage Instructions

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

Ways of Application

Product is normally hand applied from the bottle onto threaded parts.

Compatible Primers

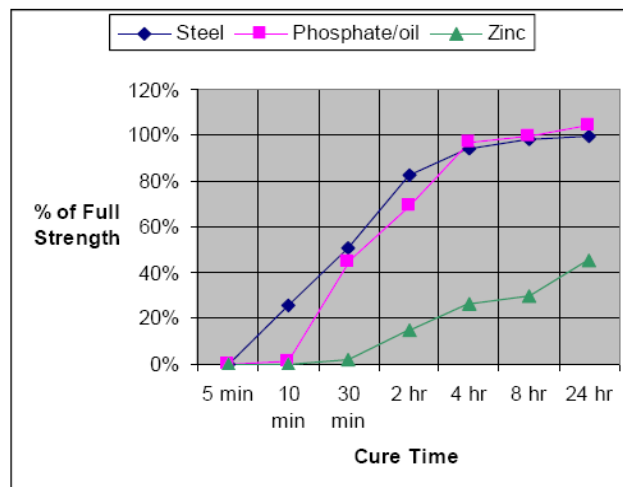
Primers such as Kem Vibra-TITE Excel 611 (Primer N) or Excel 612 (Primer T) can be used to speed up the fixture time of the adhesive. Fixture times can improve by as much as 50%. The use of primers can result in lower strength and performance should be tested after full cure.

Technical Features

#	Parameter	Specifications
1	Resin	Anaerobic
2	Color	Red
3	Toxicity	Low
4	Solids	100%
5	Viscosity, cps, Brookfield RVT 3 @ 20 rpm	400 – 600
6	Specific Gravity	1.10
7	Shelf Life, Months @ 20°C	12
8	Operating Temperature, Max °C	50 - 150

Cured Performance

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.



Curing Schedule and Performance

Fixture Time @ 23°C	15 – 20 min.
Full Cure Time	24 Hrs. @ 15°C

Breakaway Strength

3/8" Plain Steel nut and bolt @24 hr	140 – 300 lbf-in
3/8" Zinc Plate Nut and bolt @24 hr	200 – 350 lbf-in.

Environmental and Fluid Resistance (Shear Strength Value)

Heat Age	100%
Engine Oil @ 150°C	80%
Brake Fluid @ 150°C	100%
ATF @ 150°C	100%
50/50 water Ethylene Glycol @ 150°C	85%
Water @ 100°C	85%
Gasoline @ 25°C	100%
Diesel Fuel @25°C	100%
Ethyl Alcohol @25°C	95%

Packing - 2 ml, 50 ml, 250 ml and 1 L Bottles

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General Information

Storage

Product should be stored in a cool and dry location at temperatures between -10 °C to 30 °C. Optimal storage is 22±4°C. Shelf life is 18 months from date of manufacture when stored at 22±4°C.

Note

Kem Vibra-TITE 140 is easy to apply and color coded red to assist in selection. Because of its chemical resistance it is ideal for applications such as sealing for refrigeration environments, air conditioning applications and plant and processing equipment using corrosive chemicals. Product conforms to MIL-S-46163A , ASTM D-5363, NSF.

Health & Safety

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.

NOTE TO USER

The information contained in this document while based on evidence and reliable methods can not be considered exhaustive. This information are current to the date of issuance of this data sheet.

The user, under its own responsibility, shall respect all the existing provisions on hygiene and safety and shall verify every time the features and the specific and appropriate way to use the product, cause the respect of the provisions is not under producer's direct control. The manufacturer does not guarantee nor assume any liability or responsibility for whatsoever harm that might result from a misuse of the product or for damages that have arisen after the product's distribution.