

Product Description

Kem Vibra-Tite 131 is a high strength, anaerobic thread locking compound. Kem Vibra-Tite 131 is design for permanent locking of threaded fasteners. The product performs on aluminum, steel, plated, stainless steel, and special alloy parts. Kem Vibra-Tite 131 exhibits good temperature and solvent resistant.

Typical Applications

Kem Vibra-Tite 131 will lock and seal large fasteners (up to 1"). Kem Vibra-Tite 131 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

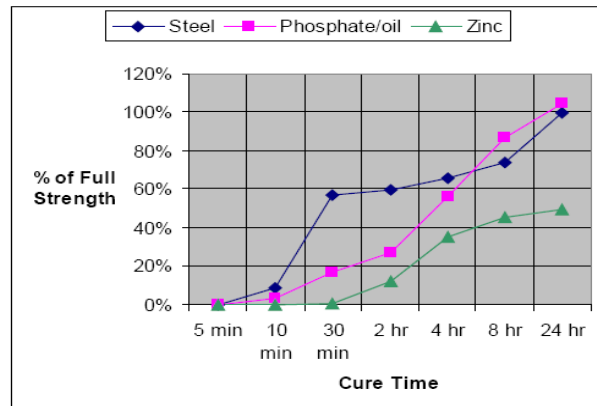
Product is normally hand applied from the bottle onto threaded parts.

Compatible Primers

Primers such as Kem Vibra-TITE Excel 611 (Primer N) or Excel 612 (Primer T) can be used. The use of primers can result in lower strength and performance should be tested after full cure. 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 @ 20RPM	1200 - 2400
6	Specific Gravity	1.10
7	Shelf Life, Months @ 20°C	12
8	Operating Temperature, Max °C	50 - 150



Curing Schedule and Performance

Fixture Time @ 15°C	15 – 20 min.
Full Cure Time	24 Hrs. @ 15°C
Typical Breakaway Strength	140 – 300 lbf-in

Environmental and Fluid Resistance (Shear Strength Value)

Heat Age	100%
Engine Oil @ 150°C	80%
Brake Fluid @ 150°C	90%
ATF @ 150°C	90%
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, 1 Litre Bottles

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.

Chembond Chemicals Limited (Industrial Adhesives Division)

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Note

Kem Vibra-TITE 131 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.

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