



Kem Vibra-TITE 146

Anaerobic Large Diameter - High Strength Threadlocker



Product Description

Kem Vibra-TITE 146 Large Diameter High Strength Threadlocker is a red general purpose adhesive for permanent threaded assemblies. 146 locks fasteners 1" and larger in diameter, sealing against leakage and corrosion. It resists attack from lubricants and most industrial liquids and gases.

Typical Applications

Eliminates double nutting and/or welding of critical assemblies. Using Kem Vibra-TITE 146 permits reduced casting thickness, and eliminates cracked castings due to interference fit stresses. It is recommended for larger diameter studs with coarse threads and is used to reclaim worn stud holes. Primers are recommended for large gaps and poor fitting parts.

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.

Technical Features

#	Parameter	Specifications
1	Resin	Dimethylacrylate
2	Color	Red
3	Fixture Speed w/Primer	< 10 Sec.
4	Fixture Speed w/o Primer @ 25°C	60 Min.
5	Viscosity, cps	7000
6	Gap Fill	0.010"
7	Shelf Life, Months @ 20°C	12
8	Operating Temperature, Max °C	50 - 150

Curing Schedule and Performance

Full Cure Time	24 Hrs. @ 15°C
Typical Breakaway Strength	250 – 350 in.lbs
Typical Prevailing Strength	250 – 350 in.lbs

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 146 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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