



## Pipe Vise Metal Pipe Anaerobic Thread Sealant

Pipe Vise Metal Pipe Thread Sealant is a high-performance anaerobic thread sealant that cures rapidly in the absence of air between close fitting metal surfaces and provides low-pressure resistance immediately after application. Pipe Vise Metal Pipe Thread Sealant is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals. Excellent thixotropic property prevents migration of the sealant before or during curing.

### **Applications:**

- Ideal for locking and sealing of threaded metal pipes and fittings
- Designed for coarse threads. Suitable for stainless steel surface without the need of surface activation.

### **Adhesive Properties:**

Composition: Methacrylate Ester

Color: Yellow

Viscosity: 24,000 to 80,000 cps at 25 C

Brookfield RVT Spindle 3 @ 20 rpm

Specific Gravity: 1.09

Flash Point: > 100 C

Solvent Content: None

### **Curing Properties:**

Handling Cure Time: 10 - 30 minutes

Functional Cure Time: 2 - 4 hours

Full Cure Time: 24 hours

Breakaway Torque, ISO 10964:

M10 steel nuts and bolts N·m 11 N.m

100 lb.in.

Prevail Torque, ISO 10964:

M10 steel nuts and bolts 6 N.m

50 lb.in.

Break loose Torque, ISO 10964, Pre-torqued to 5 N·m:

M10 steel nuts and bolts 17 N.m.

150 lb.in

Max. Prevail Torque, ISO 10964, Pre-torqued to 5 N·m:

M10 steel nuts and bolts N·m 17 N.m

150 lb.in.

Compressive Shear Strength, ISO 10123:

Steel pins and collars > 5 N/mm<sup>2</sup>

> 725 psi

Temperature Range -65 to 300 F

**Physical Properties:**

Coefficient of Thermal Expansion,  $80 \times 10^{-6}$

ASTM D 696, K-1

Coefficient of Thermal Conductivity, 0.10

ASTM C 177, W/(m·K)

Specific Heat, kJ/(kg·K) 0.30

**Chemical Resistance:**

Chemical Temp.	% Initial Strength Retained	
	500 hours	1000 hours
Acetone 22 0C	80	65
Ethanol 22 0C	100	95
Motor Oil 125 0C	100	100
Gasoline 22 0C	100	100
Brake Fluid 22 0C	100	95
Water/Glycol 87 0C	90	90

**Application Method:**

Surfaces should be dry, clean, and free of any contamination. Apply 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Assemble and tighten as required.

**Storage:**

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 46 F to 82 F. Please do not return any unused material to its original container.

**PRECAUTIONS:** This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material. **Warranty:** All products purchased from or supplied by Pipe Vise are subject to terms and conditions set out in the contract. Pipe Vise warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Pipe Vise is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Pipe Vise makes no

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