



Technical Datasheet T72

September 2009

Description

Holdtite Australia T72 High Temp-High Strength Threadlocker is a red single component anaerobic threadlocker. T72 joins threaded parts exposed to operating temperatures up to 232°C. It offers excellent performance at temperatures more the 65°C higher than other threaded locking products because of its enhanced chemistry.

Applications

Holdtite Australia T72 applications include high temperature locking and sealing of studs, nuts, screws, bolts and fittings. Parts are locked and sealed against leakage, contamination and corrosion. The high viscosity is more suitable for large diameter, coarse threaded parts. It is recommended for parts that do not require routine maintained as disassembly is difficult and may require heat.

Instructions for Use

Ensure parts are clean, dry and free from oil and grease. Product is normally hand applied from the bottle onto the threaded parts. Please see table below for information on Active and Inactive metals.

Storage

Holdtite Australia T72 should be stored in a cool and dry location at temperatures between -10°C to 30°C. Optimal storage temperature is 22°C to 24°C. Shelf life is 24 months from date of manufacture when stored at 22°C to 24°C.

Properties of Uncured Material.

Resin	Dimethacrylate
Colour	Red
Viscosity	9500 cps
Fixture Speed w/out primer	30min @ 25°C
Fixture Speed with Primer	<5 seconds
Gap Fill	0.25mm
Max. Operating Temperature	-18°C to 232°C
Shelf Life	24 months @ 20°C

Performance of Cured Material

Full Cure	24 hours @ 20°C
Typical Breakaway Strength	28 to 35 Nm
Typical Prevailing Strength	28 to 34 Nm

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{mm} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Presentation

T72 comes in 10mls, 50mls and 250mls bottles.

Health & Safety in Use

IRRITANT: Contains Methylacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water.

ACTIVE & INACTIVE METAL TABLE

Super Active Very Fast Cure	Active Fast Cure	Inactive Slow Cure	Passive Primer Necessary
Brass, Copper, Magnesium	Iron, Steel, Nickel, Aluminium	Stainless Steel, Titanium, Zinc, Anodized Aluminium, Galvanised Steel	Ceramics, Glass, Plastics, Painted Finishes

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