

Technical Data Sheet

TDS B272 THREADLOCK, High Strength, High Temperature

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BARNWELL

THE SEAL OF APPROVAL

PRODUCT DESCRIPTION

B272 Threadlocker is a permanent red coloured general purpose adhesive for permanent threaded assemblies. B272 locks studs up to 40mm sealing against leakage and corrosion. It is chemical resistant, resisting fuels, lubricants and most industrial liquids and gases.

CHARACTERISTICS

Resin	Dimethacrylate
Colour	Red
Fixture No Activator	10 minutes
Fixture with Activator	5 minutes
Viscosity Brookfield Sp3 @20rpm @ 25°C	9,500 cps
Gap Fill	0.25mm
Flash Point	>100°C
Shelf Life	12 months minimum
Specific Gravity	1.06
Max Operating Temp	-55 to +150°C

APPLICATIONS

B272 is used where a high strength and high temperature range is required. Using B272 is ideal for the locking of large studs and bolts (M25>). For disassembly heat the stud or bolt to 250°C and disassemble while still hot.

USEFUL HINTS/NOTES

This product should not be used in: Oxygen or Oxygen rich systems. Sealing chlorine or similar oxidising materials.

PROPERTIES

Fast acting securing compound, giving retention strength and vibration proofing, typically 3000 psi at high temperature.

INSTRUCTIONS FOR USE

Ensure all parts are clean, dry and free from oil and grease, using B7063.

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

CURED PERFORMANCE

Full Cure Time	24 hours
Cure time with good % of final strength	2 hours
Typical Breakaway Strength DIN	23N.m
Typical Prevailing Strength DIN	25N.m
Typical Breakaway ISO 10964	23N.m (16/36)
Typical Prevailing ISO 10964	25N.m (22/50)
Compressive shear ISO 10123	14.5 N.m

COMPATIBLE ACCELERATORS/PRIMERS

Primers such as B7471 (Standard Anaerobic Activator) or the faster B7469 Structural Accelerator can be used, however up to 30% strength loss can occur when using accelerators

STORAGE

Store in a cool area out of direct sunlight. Shelf life 24 months @ 20°C.

HEALTH AND SAFETY IN USE

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

PRESENTATION

Bottles.....10ml, 25ml, 50ml
Clam Packs.....10ml, 25ml, 50ml

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 product.
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