

Technical Data Sheet

B271 – Studlock Revised

03.08.10



BARNWELL

THE SEAL OF APPROVAL

B271 Studlock

PRODUCT DESCRIPTION

B271 Studlock is a permanent red coloured general purpose adhesive for permanent threaded assemblies. B271 locks studs up to 1", sealing against leakage and corrosion. It is chemical resistant, resisting fuels, lubricants and most Industrial Liquids and Gases.

APPLICATIONS

B271 Studlocker eliminates welding of critical assemblies. Permits reduced casting thickness, reduced assembly stress and eliminates due to interference fit stresses.

USEFUL NOTES

- Easy to use
- Ideal for refrigeration plant, air conditioning, equipment using corrosive chemicals
- Cured adhesive is vibration proof

INSTRUCTIONS FOR USE

- Clean and dry surfaces to be bonded
- Apply adhesive to threads and assemble parts.
- Parts should be left for 15 minutes to reach handling strength, working strength 1 hour
- B7471 (Standard) or B7649 (Fast) Activators can be used, however 30% strength loss can occur when using accelerators.

TECHNICAL FEATURES

Resin	Dimethacrylate
Colour	Red
Fixture No Activator	10 minutes
Fixture with Activator	5 minutes
Viscosity Brookfield Sp2 @20rpm @ 25°C	500 cps
Gap Fill	0.25mm
Flash Point	>100°C
Shelf Life	18 months minimum
Specific Gravity	1.06
Max Operating Temp	-55 to +150°C

CURED PERFORMANCE

Full Cure Time	24 hours
Cure time with good % of final strength	2 hours
Typical Breakaway Strength DIN	40N.m (25/55)
Typical Prevailing Strength DIN	55N.m (45/70)
Typical Breakaway ISO 10964	26N.m (16/36)
Typical Prevailing ISO 10964	36N.m (22/50)

STORAGE

Store in a cool area out of direct sunlight. Shelf life is 12 months @ 20°C

HEALTH & SAFETY

Not recommended for use in pure oxygen and oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. This technical information sheet does not constitute a Material Safety Data Sheet (MSDS). Before using this product ensure you have read and fully understood B270 MSDS.

PRESENTATION

Bottles.....10ml, 50ml, 250ml

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. Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc 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. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.