



# Technical Data Sheet

## Bondloc B271 Studlock (Threadlocker)

### 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

Using B271 Studlocker is easy, it is colour coded red to assist in selection. Because of its chemical resistance it is ideal in applications such as a sealant for refrigeration plant, air conditioning, big plant and process equipment using corrosive chemicals.

### INSTRUCTIONS FOR USE

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

### PROPERTIES

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

### COMPATIBLE ACCELERATORS/PRIMERS

Primers such as B7471 (Standard Anaerobic Activator) or the faster B7649 (Structural Accelerator) can be used, however, up to 30% strength loss can occur when using.

### STORAGE

Store in a cool area out of direct sunlight.  
Shelf Life >18 months at ambient temperature.

### TECHNICAL FEATURES

Resin	Dimethacrylate
Colour	Red
Cure speed with Activator	5 minutes
Cure speed without Activator	10 minutes
Viscosity Brookfield Sp3 @20rpm@25°C	500 cps
Max Thread Size	M80
Flash Point	>100°C
Shelf Life	18 months @ 20°C
Specific Gravity	1.06
Temperature Range	-55°C to +180°C

### TYPICAL BOND CHARACTERISTICS

Full Cure Time	24 hours
Cure time with good % of final strength	2 hours
Range of Strength - Breakaway Prevailing	33N.m 33N.m
DIN 54454 Breakloose:	16N.m max 36N.m
DIN 54454 Prevailing:	22N.m up to 50N.m

### HEALTH & SAFETY

This technical information sheet does not constitute a Safety Data Sheet (SDS). Before using this product ensure you have read and fully understood this products SDS.

### PACKAGING FORMAT

Bottles.....10ml,25ml,50ml, 250ml

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**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 Safety Data Sheets (SDS) 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.

