

# Technical Data Sheet

TDS B242 Nutlock

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## Bondloc B242 Nutlock Removable Threadlocker/Sealant

### PRODUCT DESCRIPTION

B242 Threadlocker and its variants are a general purpose Removable medium strength product. All removable Nut grades will hold all metric and imperial or conventional sized nuts and bolts, meeting the requirements of over 80% of fastening applications. B242 does not run off or drip and does not migrate after assembly. Once applied, parts slip together easily, lubricated by the adhesive.

### APPLICATIONS

Replaces lock washers and plastic inserts. Locks machine tool access bolts, studs and hydraulic system bolts. Used on gear box bolts/driveshaft, bearing cover cap screws, counter sunk screws, conveyor roller bolts and construction equipment.

### USEFUL NOTES/HINTS

Using Nutlock is easy, the products are colour coded blue and, once cured, they seal and vibration proof the assembly, giving controlled breakloose and prevailing torque's. Using conventional tools you can disassemble parts. When force is applied, the parts break loose (first movement) but it will take several turns before the cured film will stop resisting the turning action, thus ensuring against component disassembly.

### PROPERTIES

Controlled torque tension. Easily removed with conventional tools.

### 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 accelerators.

### STORAGE

Store in a cool area out of direct sunlight. Refrigeration to 5°C gives optimum storage stability.

### HEALTH & 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.

### TECHNICAL FEATURES

Resin	Dimethacrylate
Colour	Blue thixotropic
Cure speed with Activator	<5 mins @ 20°C
Cure speed without Activator	20 minutes
Viscosity	1200 cps
Gap Fill	0.25 mm
Flash Point	>80°C
Shelf Life	12 months @ 20°C
Specific Gravity	1.06
Max operating Temp	-50°C to + 150°C

### CURED PERFORMANCE

Full Cure Time	24 hours
Typical Breakaway Strength	16 N.m
Typical Prevailing Strength	8 N.m
Typical Prevailing Strength DIN 54454	8-(15) Nm (12)
Typical Breakaway Strength DIN 54454	22 Nm
Fixture time steel	20 mins approx.

### PRESENTATION

Bottles.....10ml, 25ml, 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 consider 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 nor infringe any patent.