



# Technical Data Sheet

## Bondloc WL42 Nutlock (Threadlocker)

**PRODUCT DESCRIPTION**

WL42 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. WL42 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**

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 torques. 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.

**TECHNICAL FEATURES**

|                                      |                      |
|--------------------------------------|----------------------|
| Resin                                | Dimethacrylate ester |
| Colour                               | Blue                 |
| Cure speed with Activator            | <5 mins @ 20°C       |
| Cure speed without Activator         | 20 minutes           |
| Viscosity Brookfield Sp3 @20rpm@25°C | 2,000 – 3,000 cps    |
| Max Thread Size                      | M80                  |
| Flash Point                          | >80°C                |
| Shelf Life                           | 2 Years @ 20°C       |
| Specific Gravity                     | 1.06                 |
| Temperature Range                    | -55°C to +150°C      |

**TYPICAL BOND CHARACTERISTICS**

|  |                  |
|--|------------------|
| Full Cure Time                           | 24 hours         |
| Fixture Time - Steel                     | 20 - 30minutes   |
| Range of Strength - Breakaway Prevailing | 20N.m<br>5N.m    |
| DIN 54454 Breakloose:                    | 22N.m            |
| DIN 54454 Prevailing:                    | 8N.m up to 15N.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.....50ml, 65ml

Bondloc UK Ltd.  
Units 1 & 2  
Bewdley Business Park  
Bewdley, Worcestershire  
DY12 2TZ, UK  
  
+44 (0) 1299 269 269  
sales@bondloc.co.uk

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 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 not infringe any patent.

