

Technical Data Sheet

Bondloc B222 – Screwlock

Revised 03.08.10



Bondloc B222 Screwlock

PRODUCT DESCRIPTION

B222 Screwlock is a Thixotropic Anaerobic Threadlocker of Low Strength designed for easy disassembly of treated components. B222's anaerobic nature allows it to cure only when confined between metal parts.

APPLICATIONS

All small fasteners, where vibration loosening prevention and non-leakage through threaded fastening is required. Ideal on small set screws, brass and most types of small threaded nuts, bolts, screws, hex and slot driven components including keyed fasteners etc.

USEFUL NOTES

B222 is suitable for most applications, however, we produce a same strength but lower viscosity (for small gaps) version Type B221 and a thicker, very viscous type B225 for larger gaps. Not recommended without trials on certain plastics, as stress cracking can sometimes result. Some anti-corrosion chemicals inhibit the cure system in this type of Anaerobic. Trials are recommended where cleaning is necessary to establish performance.

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.

STORAGE

Store in a cool area out of direct sunlight.
Shelf Life >12 months at ambient temperature.

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 B222 MSDS.

TECHNICAL FEATURES

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|---|------------------|
| Resin | Dimethacrylate |
| Colour | Purple |
| Cure speed with Activator | <15 mins @ 20°C |
| Cure speed without Activator | 15 minutes |
| Viscosity - Brookfield Sp3 @ 20rpm @ 25°C | 1200 cps |
| Gap Fill/Max Threadform | 0.5mm/M36 |
| Flash Point | >100°C |
| Shelf Life | 12 months @ 20°C |
| Specific Gravity | 1.06 |
| Temperature Range | -55°C - 150°C |

CURED PERFORMANCE

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| Full Cure Time | 12 hours @ 20°C |
| Typical Strength: ISO10964 | 6Nm M10's |
| Range of Strength Breakaway Prevailing | 6N.m 2N.m up to 6 N.m |
| DIN 54454 Breakloose: | 10N.m max 20N.m |
| DIN 54454 Prevailing: | 6N.m up to 20N.m |

ELEVATED TEMP/RETAINED STRENGTH

M10 MSNB cured @ 22°C for 1 week

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| 150°C | 35% |
| 100°C | 50% |
| 50°C | 80% |

SOLVENT RESISTANCE OVER 1000 HOURS

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|-----------------------|------|
| iii Trichloroethane | 100% |
| Brake Fluid | >95% |
| Motor Oil @ 125°C | 95% |
| Petrol | >95% |
| Glycol Mixture @ 87°C | >80% |

PRESENTATION

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

