

Technical Data Sheet

TDS B222 SCREWLOCK

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Bondloc B222 Screwlock - Purple Low Strength

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.

RECOMMENDATION

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

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

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

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.
Shelf Life >12 months at ambient temperature.

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	Purple White tint
Cure speed with Activator	<15 mins @ 20°C
Cure speed without Activator	15 minutes
Viscosity - Brookfield Sp3 @ 20rpm Sp3 @ 20rpm	1200 cps (thixo) 5000cps
Gap Fill/Max Threadform	0.5mm/M36
Flash Point	>100°C
Shelf Life	12 months @ 20°C
Specific Gravity	1.06

CURED PERFORMANCE

Full Cure Time	12 hours @ 20°C
Typical Strength: ISO10964	6Nm M10's
Range of Strength Breakaway Prevailing	4N.m up to 12N.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

M10MSNB cured @ 22°C for one week

150°C	35%
100°C	50%
50°C	80%

SOLVENT RESISTANCE OVER 1000 HRS

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

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.

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