

Technical Data Sheet

TDS B225 Threadlock

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Bondloc B225 Threadlock -

PRODUCT DESCRIPTION

B225 is a Thixotropic Anaerobic Threadlocker produced for the locking and sealing of threaded fasteners which require normal disassembly with standard hand tools. The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration.

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.

RECOMMENDATION

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.

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	Brown liquid
Cure speed with Activator	<15 mins @ 20°C
Cure speed without Activator	15 minutes

Viscosity - Brookfield Sp3 @ 20rpm Sp3 @ 20rpm	5,500 - 10,500
Gap Fill/Max Threadform	M50
Flash Point	>100°C
Shelf Life	12 months @ 20°C
Specific Gravity	1.08

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.

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.