

Low Strength Screwlocker 390000

Technical Data Sheet

Description

Screwlock is a Thixotropic Anaerobic Threadlocker of Low Strength designed for easy disassembly of treated components. Screwlock's Anaerobic nature allows it to cure only when confined between metal parts. Viscosity Index 3/1 ratio as measured.

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 hints/notes

Screwlock is suitable for most applications, however there are other products at lower and higher viscosity for different sized gaps.

Reccommendation

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.

Directions for use

- Parts should be clean, dry and dust free.
- Degreased parts will assist results.
- Apply sufficient product to fill joint.
- Assemble parts in traditional manner.
- To achieve handling strength allow product to cure (approximately 20 minutes).
- Store in cool conditions.
- Keep out of direct sunlight.

Procedure for application

Product is normally hand applied from the bottle.

Use of accelerators/primers

Standard Anaerobic Activators, or a faster Structural Accelerator can be used to help products reach full cure faster, assist in cure on big gaps or help overcome slow activity due to cold conditions.

Technical Data

Resin	Methacrylate Ester
Colour	Purple
Fixture speed with activator	<15 mins @ 20°C
Fixture speed without activator	15 mins @ 20°C
Viscosity; Brookfield Sp3@20rpm	1200cps (thixo)
Sp3@2.5rpm	5000cps (Index)
Gap fill/Max Threadform	0.5 mm / M36
Flash point	>100°C
Shelf life	12 months @ 20°C
Specific gravity	1.06 @ 20°C

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Cured Performance

Full Cure Time:	12 hours @ 20°C
Typical Strength:...ISO10964	<16N.m M10's (loose)
Range of Strength Breakloose:....	4N.m up to 12N.m
Prevailing	2N.m up to 6N.m
DIN54454 Breakloose:	10N.m max 20N.m
DIN54454 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

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

Health & Safety in use

IRRITANT: Contains Methacrylate Esters

Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

Important Note

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves self that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of continued research and development the information relating to each product has not been superseded.

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