TRUTITE™ 313

TECHNICAL DATA SHEET Thread Lock

Chemical Type	Methacrylate Ester
Appearance (uncured)	Blue
Components	Requires no mixing, ready to use
Viscosity	Thixotopic, 7000-15000 cPs
Cure	Anaerobic
Application of Use	Thread locking
Strength	Medium
Thread Pitch Filling	Up to 0.2mm
pH Level	Non Corrosive
Temperature Range	-50°C to +150°C
Flash Point	+111°C
Relative Density	1.03

Product Description

TruTite™ 313 Thread Lock is designed for the instant assembly of threaded fasteners which if required can be disassembled with standard hand tools for maintenance or replacement purposes

The product is an anaerobic thread locks which cures when oxygen is no longer present. This occurs when the air between your two metal fittings disperses which then allows the blue liquid to cure in a matter of minutes (please see curing times). This process then forms a strong fitment which will prevent any loosening and leaks from vibrations caused to the fitment. TruTite™ 313 Thread Lock is most often used on Brass and Steel but is also effective on Stainless Steel, Aluminium and BZP Steel products

Curing Times

Metal Type	Duration
Brass	up to 0.5mins
Steel	up to 4mins
Stainless Steel	up to 6mins
BZP Steel	up to 30mins
Aluminium	up to 35mins



Please note: curing time can be affected by thread pitch and ambient temperature at time of application.

Results are based upon application in 22°C atmosphere
System can be used within 1-3 hours of TruTite™ 313 Thread Lock application
Full curing time is between 8-12 hours

Trutite Ltd reserves the right to alter /
amend product data without prior notification

Version 1.0 26/07/24

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TruTite 313 Thread Lock Approvals

DIN EN 751-1 (Gas Approval)
BS 6920 (Water Approval)

Directions for use
Before use read TruTite™ 313 Thread Lock **MSDS**
Ensure all metal parts are clean and dry
Apply in one full rotation to male and female metal parts, use sparingly
Excess product will not dry, remove with cloth
To disassemble, use hand tools, if difficult to do so heat up to 250°C and repeat whilst hot Can **not** be used on plastic fittings

Storage

Always keep in the original 50ml/ 250ml container
Store in a cool dry place, optimum storage temperature 22°C, avoid any direct sunlight
If product is kept at temperatures of less than 5°C or above 30°C this can negatively affect the performance of TruTite 313 Thread Lock
For expiry of product please see reverse of packaging, product life is 36 months from **date of manufacture**

Health and Safety

TruTite 313 Thread Lock contains methacrylate esters, for additional information read MSDS before use

Disclaimer

The information provided including the recommendations for use and application of the product are based on our knowledge and experience of the TruTite 313 Thread Lock product as at the date of this TDS. The product can be used for multiple situations as well as differing application and working conditions in your atmosphere that are beyond our control.
Trutite Ltd are not liable for the aforementioned scenarios of our product, as well as the intended results on differing metals.
We strongly recommend that you carry out your own trials to confirm successful use of TruTite 313 Thread Lock. Any liability in respect of this data sheet or any other written or oral recommendation(s) regarding the concerned product is excluded

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