



AST-LOCK™ 22LS

LOW STRENGTH THREAD LOCKER

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Product Description

AST-LOCK™ 22LS is a low strength Threadlocker designed for small fasteners under 3/4" where you need to prevent vibration loosening or shock resistance for the fastener, but you also need to remove it easily using common handtools. The low removal torque ensures that you will not have any difficulties removing the fastener.

AST-LOCK™ 22LS undergoes a chemical crosslinking only in the presence of metal and the absence of air. This is typically referred to as "curing". The Threadlocker begins to cure right after assembly and reaches full cure in about 8-10 hours depending upon temperatures. In Colder Climates it may require more time and in Warmer Climates, less time.

AST-LOCK™ 22LS works best for most small diameter, fine thread screws, nuts and bolts. It is not recommended for certain plastic components.

AST-LOCK™ 22LS works very well for smaller fasteners and is the ideal choice for set screws or smaller screw or bolts. Threadlockers work particularly well with softer more active metals such as brass, bronze, aluminum or steel. For Stainless Steel, Titanium, and other more exotic metals or if the material is being applied in very cold temperatures where a full cure is still needed, then a primer may be needed to ensure a full cure is achieved.

Cleaning

A Threadlocker works best if the parts are clean and free of grease, oil or old Thread locking agents. Normally cleaning with an appropriate solvent or wiring brushing the parts to ensure they are clean.

Directions for use:

Shake before using.

Both the male and female threads should be clean and free of foreign materials such as cutting oils, rust, or previously applied cured Threadlockers.

For best results we recommend that a film of Threadlocker be applied to the male threads which will be engaged in the female threads.

Available In:

SIZE: 10ml, 50ml 250 ml

P/N: 39221 39222 39223

Typical Properties

Property	Value
Color	Purple
Fixture Speed , no primer	20 minutes @ 76°F
Fixture Speed with primer	< 5 seconds
Full Cure Time	8-10 hr @ 70°F
Typical Breakaway Strength	50 – 100 in. lbs
Typical Prevailing Strength	20 to 50 in lbs.
Viscosity	1200-5000 cps
Primer	Primer N or T
Mil-S-46163A	Type II, Grade M
ASTM D 5363	AN0311
RoHS 3	Compliant

Storage and Shelf Life

For best results and a longer shelf life, Threadlocker should be stored at moderate Temperatures under 80° F. The shelf life is around 24 months if it is stored under these conditions. Storage at higher temperatures may shorten its shelf life or result in lower Prevailing Torque values.

Cautions

This product is not recommended for use in an oxygen system and not as a sealant for chlorine or other strong oxidizing materials. Read all information on labels and Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

GHS compliant

[This product requires GHS pictograms on labels.](#)
[Refer to Label and SDS for GHS information.](#)

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.