

LOCK STRONG

DESCRIPTION

Lock Strong is a high strength anaerobic thread-locking compound for bonding and sealing threads, and retaining of cylindrical parts. With a Green world development for non-hazard symbols and with less environmental and health impacts. It seals and prevents leaks and corrosion. Very high resistance to chemicals, water, oils, gases, heat, etc. Certified according to NSF P1 for use in commercial and residential potable water systems not exceeding 82°C.



PROPERTIES

- An adhesive that fills the microscopic cavities between threaded parts.
- For permanently locking of stud bolts, wheel and bearings in high temperatures.
- Is developed without hazard symbols with less environmental and health impacts. Resulting in improved and safer working environment for the user.
- Has excellent resistance to chemicals, vibration resistant, seals and protects against leakage and corrosion.
- Does not drip during application.
- Prevents fastening devices from loosening, vibration-proof and provides a strong (permanent) lock that is not to be disassembled.
- Good for hydraulic applications.
- Fixture time/curing time can be speeded up with Lock Speed.

FIELD OF APPLICATION

- Transmission and engine block studs, valve sets, etc.
- High strength, permanent and eliminates need for welding. Prevents corrosion and leakage.
- Fasteners on vibrating machines or moving components.
- Certified by NSF / ANSI Standard 61 for use in water with temperatures <82°C.
- NSF P1 rating for use in and around food production (P1).

USER INSTRUCTIONS

LOCK STRONG - LCR

Art.no. 15202

Signature: HP

Date: 2016-02-11

This product information is property of VEIDEC AB and is not to be forwarded to third persons without our agreement. The product information has been made out according to our experiences; the corresponding distributing company has to point out probable characteristics as to the use of the product as the application fields are often very different. The recommendations as to technical use are not binding and do not justify any contractual relationship and subsidiary obligations under the contract of purchase. They especially do not relieve the buyer from testing our product on his own as to the suitability for the designated field of application.

LOCK STRONG

Surfaces should be dry, clean, and free of any contamination. Lock Strong should be applied to the bolt in sufficient quantity to fill threads. Lock Strong performs the best in thin bond gaps. This thread locker is specifically formulated to give controlled friction and torque/tension ratio during assembly.

Bottles should have a lot of air in them and should be allowed to "breathe" to prevent the adhesive from hardening.

TECHNICAL DETAILS

Colour:	Green / fluorescent.
Packaging:	50 ml bottle.
Chemical base:	Diester of Methacrylic Acid.
Odour:	Low
Viscosity (25°C Brookfield RVT):	500 - 900 mPas spindle/rpm 2/20
Density (25°C):	1,11 g/cm ³
Full curing time:	5 – 10 hours.
Fixture time:	5 – 15 minutes.
Functional cure time:	1 – 3 hours.
VOC (directive 2004/42 EG):	<10 g/l
Gap fill:	up to 0,15 mm.
Shrinkage:	~2%
Max thread diameter:	M25
Shelf life (+8°C to +25 °C):	12 months.
Prevail torque (DIN 54454)	>40 Nm (M10)
Break loose torque (ISO 10964)	>25 Nm (M10)
Shear strength (DIN 54452):	>20 N/mm ²
Temperature resist:	-55°C to +150°C
Application & surface temperature:	+5°C to +40°C.
Certificate:	NSF
Chemical resistance:	Separate list is available for chemical, gases.
Others:	In compliance with the legal regulations, please see current Material Safety Data Sheet.
	*Strength and physical properties is measured on cured product: M10x20 bolt – grade 8,8 zinc phosphated

CERTIFICATES



NSF; category code P1.
<http://www.nsf.com/USDA/letters/150642.pdf>



GREEN WORLD

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– nut 0,8d - not on-torque.

Hardening time depends on the dimensions (smaller means faster) if they are oily/dirty, but it is affected mainly by the type of material. The fastest hardening times are achieved on nuts/bolts made of steel, iron, copper, brass or bronze (active materials). 'Slower' metals include stainless steel, zinc, aluminium (with low copper content), chrome, nickel, silver and tin (passive materials).

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