VEIDEC®

PROFESSIONAL ADHESIVE & SEALANT SYSTEM | TECHNICAL INFO

MULTI LOCK STRONG

DESCRIPTION

Multi Lock Strong is a Green World classified, high strength, high performance, multipurpose anaerobic for thread locking, retaining, pipe sealant and flange sealant. Resists against high temperature and a wide range of common chemicals. Acceptable for use as a pipe sealant S2 by NSF, for use in and around food processing areas. Provides low-pressure resistance immediately after application.



PROPERTIES

- Acts as a low pressure (5 bar) seal directly after assembly.
- Without hazard symbols, less environment and health impacts, resulting in an improved and safer work place for the user.
- Replaces Teflon tape, line and thread tape.
- Specially designed packaging that provides minimal waste and makes the product very easy and practical to apply.
- Safe and reliable. NSF certification according to NSF S2.
- Fast strenght build up on pre-torque screws, >50% of max strenght in 30min.
- Can be used in applications with gaps 0,3mm and in sizes < M50.

FIELD OF APPLICATION

- Universal, high strength threadlocker and sealant for stud bolts, ball bearings into housings or tooth wheels on axels.
- Ideal for applications in plumbing, pneumatics and hydraulics.
- Can be used on stainless materials without needing an activator.
- Perfect for applications in heating, plumbing and sanitation, pneumatics and hydraulics, has a very high-pressure resistance. Perfect for applications in heating, plumbing and sanitation, pneumatics and hydraulics, has a very high-pressure resistance > 700 bar (after curing).

USER INSTRUCTIONS

Apply on dry and clean substrates (using Soft Clean), free of loose particles.
Note! Multi Lock Strong is not recommended for threads, cut in copper or copper alloys which have contact with hot water (>40˚C) without preliminary testing. Because of the high accelerating properties of copper and its alloys, it might happen, that curing starts already while the joining-process is still running. This can cause micro cracks, which might lead to leakage later on.
Apply 360 ° bead of product to the leading threads, leaving the first thread free. Force the material into the threads and voids, adjust product accordingly. Assemble and tighten as required.

MULTI LOCK STRONG – MLS – 142	Art.no. 15209
Signature: JH	Date: 2022-07-14

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.

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TECHNICAL DETAILS

Colour:	Red / fluorescent.
Packaging:	50 ml bottle. Art.no. 15209
Chemical base:	Diester of Methacrylic Acid.
Odour:	Low
Viscosity (25°C Brookfield RVT):	6000-7000 mPas
Density (25°C):	1,1 g/cm^3
Full curing time: **Breakaway 5Nm pre-torque:**	12-24 hours 50 Nm
Functional cure time: **Breakaway 5Nm pre-torque:**	1 hour 32,9 Nm
VOC (directive 2010/75/EU):	<3%
Gap fill:	up to 0.30 mm.
Max thread diameter:	Up to M50 (2 inch).
Shelf life (temp.) room temp.	18 months.
Prevail torque:	>35 Nm
Break loose torque no pre-torque (DIN 54454)	>25 Nm
Shear strength:	>20 N/mm^2
Pressure resistance:	Higher than the pressure resistance of the pipe (resists pressure until the thread of the pipe bursts).
Temperature resist:	-55°C to +150°C
Application & Surface temperature:	+5°C to +40°C
Certificate/Registration:	GREEN WORLD, NSF S2, BASTA.
Others:	In compliance with the legal regulations, please see current Material Safety Data Sheet. https://veidec.com/en/msds
Chemical resistance guide:	Separate list is available for chemical, gases.
User Instruction:	Scan the QR-code for video and other info.

Strength and physical properties is measured on a M10x20 bolt – grade 8,8 zinc phosphated – nut 0,8d.

Curing time can be effected if the parts are oily or dirty. Mainly, curing time are effected by temperature and by the material. Fastest curing 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).

CERTIFICATES/REGISTRATION

NSF; category code S2. http://info.nsf.org/USDA/letters/161420.pdf

GREEN WORLD.

Multi Lock Strong is registered by BASTA.

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