PROFESSIONAL ADHESIVE & SEALANT SYSTEM | TECHNICAL INFO

# MULTI LOCK MEDIUM

## DESCRIPTION

Multi Lock Medium is a Green World classified, medium strength, high performance, multipurpose anaerobic for thread locking, retaining, pipe sealant and flange sealant. Certified according to DIN-DVGW and approved by WRAS. 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 and can be disassembled after hardening.
- 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.
- Thixotropic, is high viscous upon application but become thin in motion and then easily fills the entire gap between the threads.
- Specially designed packaging that provides minimal waste and makes the product very easy and practical to apply.
- Safe and reliable. Certified by DVGW, approved by WRAS and NSF-registered.
- The 15-30 minutes fixture time gives you time to make adjustments.
- Can be used in applications with gaps 0,5mm and in sizes < M80.

### FIELD OF APPLICATION

- Universal, medium strength threadlocker and sealant for stud bolts, ball bearings into housings or tooth wheels on axels.
- Seals and prevents gas and fluid leaks from pipe joints into water, LPG, hydrocarbons, oil, fuels, cooling agents and chemicals, etc.
- Ideal for applications in plumbing, pneumatics and hydraulics.
- Can be used on stainless materials without needing an activator. Cures at low temperatures > 0C.
- 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).
- For use in contact with water intended for human consumption with regard to their effect on the quality of the water as approved by WRAS.

### USER INSTRUCTIONS

In Germany not allowed for use in household gas-installations acc. to TRGI ‘86/96. Multi Lock Medium is not recommended for threads, cut in copper or copper alloys, which have contact with hot water (>40°C), without any preliminary testing. Surfaces should be dry, clean, and free of any contamination. Apply 360 ° bead of product to the leading threads, leaving the first thread free. Force the material into the threads and voids, adjust product amount accordingly. Assemble and tighten as required. Bottles should have a lot of air in them and should be allowed to “breathe” to prevent the adhesive from hardening.

| MULTI LOCK MEDIUM – MLK – 143 | Art.no. 15208 |
|---|---|
| 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.*

VEIDEC®

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## TECHNICAL DETAILS

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| **Colour:** | Yellow / fluorescent. |
| **Packaging:** | 50 ml bottle. Art.no. 15208 |
| **Chemical base:** | Diester of Methacrylic Acid. |
| **Odour:** | Low |
| **Viscosity (25°C Brookfield RVT):** | 55 000-80 000 mPas spindle/rpm 6/2,5<br>18 000 30 000 mPas spindle/rpm 6/20 |
| **Density (25°C):** | 1,05 g/cm$^3$ |
| **Full curing time:** | 3 – 6 hours. |
| **Fixture time:** | 15 – 30 minutes. |
| **Functional cure time:** | 1 – 3 hours. |
| **VOC (directive 2010/75/EU):** | <3 % |
| **Gap fill:** | Up to 0,5 mm. |
| **Max thread diameter:** | Up to 76 mm (3 inch). |
| **Shelf life (+8°C to +25 °C):** | 18 months. |
| **Prevail torque (DIN 54454)** | 10 – 15 Nm (M10) |
| **Break loose torque (ISO 10964)** | 10 – 20 Nm (M10) |
| **Shear strength:** | 6 – 13 N/mm$^2$ |
| **Pressure resistance:** | Higher than the pressure resistance of 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, DIN-DVGW, WRAS, NSF S2, BASTA. |
| **Chemical resistance:** | Separate list is available for chemical, gases. |
| **Others:** | In compliance with the legal regulations, please see current Material Safety Data Sheet. https://veidec.com/en/msds |
| **User Instruction:** | Scan the QR-code for video and other info. |
| | Strength and physical properties is measured on cured product:<br>M10x20 bolt – grade 8,8 zinc phosphated – nut 0,8d - not on-torque.<br>**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/REGISTRATIONS**

DIN-DVGW in accordance with DIN 751-1

Water Regulation Approval Scheme LTD. Approval Number 1910555.

NSF; category code S2. http://info.nsf.org/USDA/letters/155395.pdf

GREEN WORLD

Multi Lock Medium is registered by BASTA.

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