

Description

Anaerobic sealant for thread connections allowing easy dismantling of parts.

Upon curing will give an elastic film to replace yarn, P.T.F.E. tapes, and solid gaskets for the sealing of gas, air, water, LPG, oils, hydrocarbons and many chemicals.

Shocks and vibrations resistant, will keep unaffected properties of sealing in the range of temperature from -50°C to +180°C.

DIN-DVGW approved for gas connections according to : DIN 30661 class 1 - easy to dismantle - Reg. nr. 8701e632.

Physical properties

Composition :	anaerobic methacrylate
Colour :	blue
Fluorescent :	under blue light
Viscosity (+25°C - mPa s) :	3.000 - 6.000
Specific weight (+25°C - g/ml) :	1,02
Max diameter of thread/gap filling :	M 56 / 2" / 0,30 mm
Flash point :	>+100°C
Shelf life :	1 year at +25°C in original unopened packaging

Curing performance

The rate of cure depends on the substrate used, on the gap and on the temperature. The functional strength is reached usually after 1 - 3 hours. The full cure takes 24 - 36 hours. In case of passivated surfaces and/or low temperature we recommend the usage of Loxeal Activator 11.

Curing properties

Bolt M10 x 20 Zn - quality 8.8 - nut h = 0,8 d at +25°C	
Handling cure time :	15 - 30 minutes
Functional cure time :	1 - 3 hours
Full cure time :	5 - 10 hours
Locking torque (ISO 10964)	
- breakway :	8 - 14 N m
- prevailing :	4 - 8 N m
Shear strength (ISO 10123) :	4 - 6 N/mm ²
Temperature range :	-55°C/+180°C

Ageing properties

Resistance to water, solvent, temperature, thermal ageing, vibrations, according to DIN 30661 class 1.

Dismantling strength meets DIN 30661 class 1 specifications before and after ageing tests.

Directions for use

The product is recommended for use on metal surfaces. Clean and degrease parts to bond with Loxeal Cleaner 10. Apply product in enough quantity to fill the gap. Put together parts and wait till product is cured. The product in liquid form may damage coated parts and elastomers and the contact with some thermoplastics may induce stress-crackings non immediately evidenced. For application on non metal parts, contact Loxeal Technical Service. For disassembly, use normal tools and eventually heat pieces at +150°C/+250°C, remove any residue of cured product mechanically and clean pieces with Acetone.

Storage

Keep product in a cool and dry room at +25°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxeal Technical Service

Safety and handling

Consult Material Safety Data Sheet before use.

Note

The data contained herein, obtained in Loxeal laboratories, are given for information only; if specifics are required, please contact Loxeal Technical Department. Loxeal ensures abiding quality of supplied products according to its own specifics. Loxeal cannot assume responsibility for the results obtained by others which methods are not under Loxeal control. It is user's responsibility to determine suitability for user's purpose of any product mentioned herein. Loxeal disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loxeal products. Loxeal specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.