



CHRYSSAFIDIS

**LOXEAL**<sup>®</sup>  
 ENGINEERING ADHESIVES

# Technical Data Sheet



## LOXEAL 55-14

### ΣΤΕΓΑΝΟΠΟΙΗΤΙΚΟ ΣΠΕΙΡΩΜΑΤΩΝ

#### Description

Medium strength anaerobic adhesive for sealing hydraulic and pneumatics threads connectors up to 1"1/2. To replace P.T.F.E. tapes in the sealing of gases, water, LPG, hydrocarbons, oils and other chemicals. Medium thixotropic effect prevents migration of the sealant before or during curing. Highly resistant to heat, corrosion, shocks and vibrations.

#### Physical properties

* Composition:	anaerobic methacrylate
* Colour:	red
* Viscosity (25°C - mPa.s)	2.500 – 12.000 MT
* Specific weight (25°C - g/ml):	1,05
* Gap filling:	M56 2" - 0,30 mm
* Flash point:	> 100°C
* Shelf life 25°C:	1 year
* Solvent content:	none

#### Curing performance

Curing rate depends on the assembly clearance, material surfaces and temperature. Functional strength is usually reached in 1 – 3 hours and full curing takes 24 – 36 hours. In case of passive surfaces and/or low temperature a fast cure can be obtained using Loxeal activator 11.

#### Curing properties

Zinc plated bolt M 10 x 20 - quality 8.8 - Nut h = 0,8.d at 25°C

* Handling cure time:	10 - 20 minutes
* Functional cure time:	1 - 3 hours
* Full cure time:	5 - 10 hours
* Shear strength(ISO 10123):	8 - 12 N/mm <sup>2</sup>
* Locking torque(ISO 10964) breakaway:	12 - 18 N.m
prevailing::	20 - 30 N.m
* Temperature range:	-55 +150°C

#### Directions for use

The product is recommended for use on metal surfaces. Clean and degrease parts before bonding with Loxeal Cleaner 10. Apply product to fill completely the gap, assemble parts and hold on for curing time. Liquid product can damage coating, some plastics and elastomers and late stress-cracking events might be induced if used with some thermoplastics. For application on non metal materials, contact Loxeal Technical Service. For disassembly, use normal tools and eventually heat pieces at 150/250°C, remove any residue of cured product mechanically and clean parts with Acetone.

#### Storage

Keep product in a cool and dry room at no more than +25°C. To avoid contaminations do not refill containers with used product. For further information on applications, storage and handling contact Loxeal Technical Service

#### Safety and handling

Consult Material Safety Data Sheet

#### Note

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