

## LOXEAL 84-90

### Description

Anaerobic adhesive specific for high mechanical strength on yellow brass, to seal threaded joints and to fix cylindrical couplings. It keeps sealing properties up to +250°C. It's highly resistant to thermal shocks, vibrations, chemical agents and aging. Its high viscosity allows greater manufacturing tolerance.

### Typical physical properties

Composition: anaerobic methacrylic resin  
Colour: green  
Viscosity (+25°C - mPa s): 1.200  
Specific weight (+25°C - g/ml): 1,1  
Max diameter of thread/gap filling: M36/1-1/2" / 0,20 mm  
Shelf life +25°C: 1 year in original unopened packaging

### Curing performance

Curing rate depends on the assembly gap, substrates 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, even if its use may reduce the final strength.

### Typical curing properties

½" yellow brass fittings  
Handling time: 1 minute  
Full cure time: 16 hours  
Breakaway locking torque (ISO 10964): >40 N m  
Temperature range: -55°C / +250°C

### Chemical resistance

Aged at indicated temperature under conditions below after 24 hours from polymerisation. Steel specimen - ISO 4587

Substance	°C	Resistance after 100 h	Resistance after 1000 h	Resistance after 5000 h
Motor oil	125	Excellent	Excellent	Excellent
Gear box oil	125	Excellent	Excellent	Excellent
Gasoline	25	Excellent	Good	Good
Diesel fuel	25	Excellent	Good	Good

For information on resistance with other chemicals, contact Loxeal Technical Service

### Directions for use

The product is recommended for use on metal substrates. Clean and degrease parts before bonding with Loxeal Cleaner 10. Apply product to fill completely the joint. 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, handling and disposal

Consult Material Safety Data Sheet before use.

### Note

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