

## LOXEAL 83-31

### Description

High strength anaerobic adhesive for retaining of cylindrical components.

To fit bearings, bushes, pulleys, gears, keys, splines.

To strengthen press fitted parts, permits the use of sliding fits in place of interference fits, allows larger machining tolerances, eliminates distortions, fretting corrosion and improve reliability.

Slowly curing at room temperature, heating speed up curing.

Highly resistant to heat, corrosion, vibrations, water, gases, oils, hydrocarbons and many chemicals.

### Physical properties

* Composition	: anaerobic methacrylate
* Colour	: green
* Fluorescence	: under blue light
* Viscosity (25°C - mPa.s)	: 500 - 600
* Specific weight (25°C - gr/ml)	: 1,1
* Max diameter of thread/gap filling	: M20 / 0,15 mm
* Flash point	: > 100°C
* Solvent content	: none
* Shelf life 25°C	: 1 year

### Curing properties

Bolt M 10 x 20 - quality 8.8 - Nut h = 0,8.d

* Handling cure time	: 60 - 120 minutes
* Functional cure time	: 12 - 24 hours
* Full cure time	: 24 hours
* Shear strength (DIN 54452)	: 15 - 25 N/mm <sup>2</sup>
* Locking torque:	
- breakaway	: 20 - 30 N.m
- prevailing	: 30 - 40 N.m
* Temperature range	: -55 +175°C

### Handling and safety properties

Labelling as EC regulations in force: Xi = irritating.

Consult the Material Safety Data Sheet.

### Packing

Bottles: 50 - 250 ml

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