

CRC SOFT LOCK (Dismountable)

Ref. : 10766

1. GENERAL DESCRIPTION

A thread locker, developed to carry moderate shear forces to temporary lock threaded connections. Anaerobic adhesive based on methacrylate esters.

As dismountable or temporary are considered: those connections that do not become loose, by the interaction of thermal expansion or vibration. At the other hand, it is reasonably easy to dismount the connection for reason of service, with normal tools.

2. FEATURES

- A moderate and controlled torque tension.
- Thixotropy and moderate viscosity provide the adhesive with a good filling capacity.
- Suitable for threaded connections from M5 till M16.
- Great resistance to: temperature, corrosion, vibrations, water, gas, oils, hydrocarbons and most chemicals.
- Reasonably easy to dismount with normal tools.
- Does not run or drip off.
- Does not migrate after assembly.

3. APPLICATIONS

Adhesive specially recommended for:

- Locking and sealing metallic threaded screws and bolts which may need to be removed. The resulting structural joint is resistant to vibrations and eliminates the need to use other mechanic fastening elements.
- Those connections where a controlled and steady break loose and prevailing torque is desired.
- In constructions where accidental component disassembly cannot be tolerated.

4. DIRECTIONS

Best results are obtained on clean, dry, oil and grease free surfaces. For best results, clean with CRC Industrial Degreaser. In general, roughened surfaces give higher bond strengths than polished or ground surfaces.

Apply a bead of CRC Soft Lock on the last thread of the nut or bolt / screw.

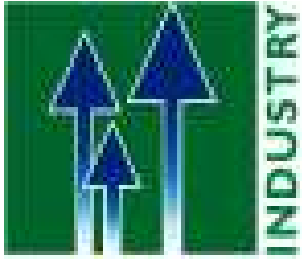
Assemble and apply the needed pre-torque when applicable. Depending on the nature of the metal and the ambient conditions, parts can be handled 15 minutes later without affecting the curing of the adhesive. The functional curing time is 1 to 3 hours and maximum resistance is obtained 24 hours after application. After the assembly, any possible excess of adhesive can be removed with a dry cloth or tissue.

Clean cured product by tramping the part for 10 min. into CRC Super Gasket Remover. Flush with water and remove remnants with a nylon brush.



Manufactured by :
CRC Industries Europe BVBA
Touwslagerstraat 1 – 9240 Zele – Belgium
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5. TYPICAL PRODUCT DATA

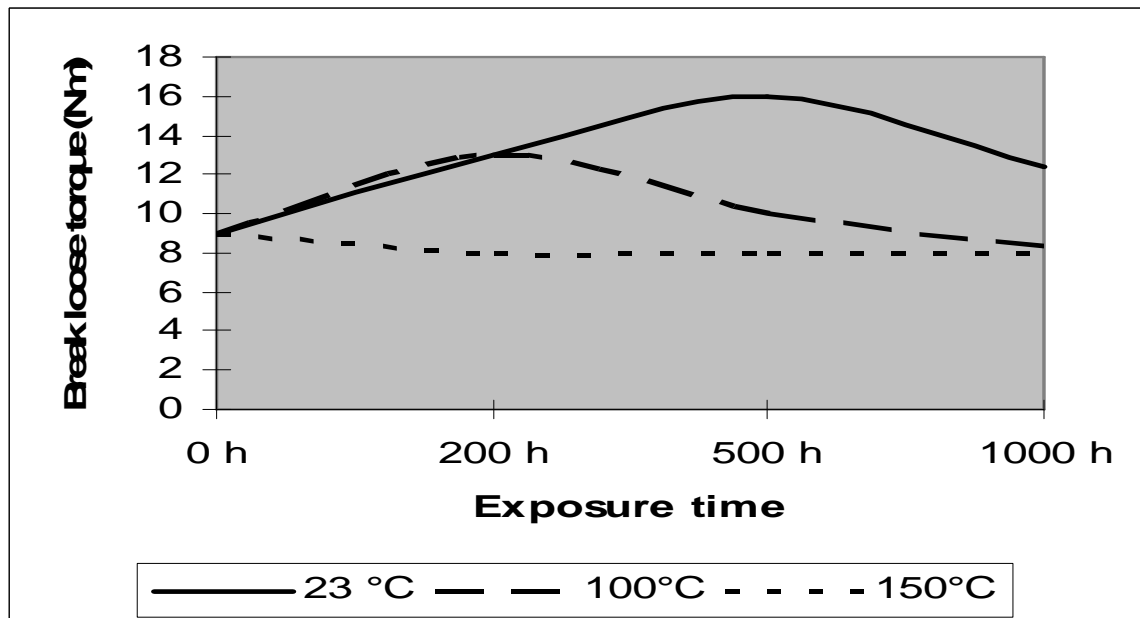
- **Properties of uncured material:**

Viscosity (Brookfield RVT, 20 rpm, Sp.3) at 23 °C	: 1000 mPa s
Specific weight	: 1,1 g/ml
Flash point	: > 100°C
Recommended thread sizes	: M5 till M16
Maximum screw diameter	: M36

- **Properties of the material when cured (24 hours, at 23°C and 55% of RH)**

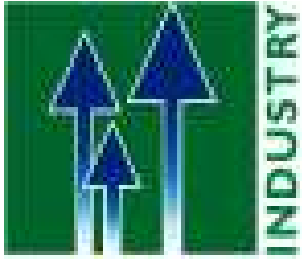
Gap filling	: 0,25 mm
Shear strength	: 10 N/mm ²
Torque (ISO 10964)	break loose : 8 – 15 Nm prevailing : < breakloose torque
Temperature range	: -55 + 150 °C
Open time	: 10 - 20 minutes
Final resistance	: 1-3 hours
Resistance	: Moderate

- **Behaviour at elevated temperatures:**



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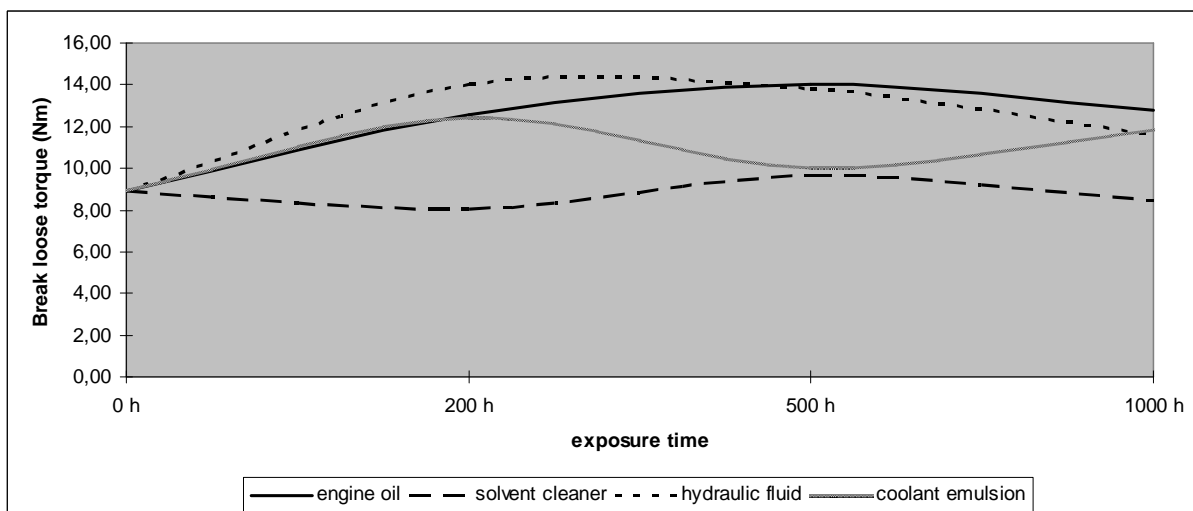


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• **Chemical resistance**

Solvent	Resistance of the bond	
	Short time	Long time
Engine oil (0W30)	Excellent	Excellent
Petrol with lead	Excellent	Excellent
Hydraulic fluid	Excellent	Excellent
Coolant emulsions (50% - 50%)	Excellent	Very good
Ethanol	Very good	Very good
Ketones	Very good	Very good
Solvent cleaners	Good	Good



6. PACKAGING

Bottles 50 ml

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com.

We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

Version : 10766 03 1102 02

Date: 15 July 2015



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