



# TRULOC Technical Data Sheet

## Superloc 360

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### **Product Description**

Superloc 360 is a high strength stud lock of medium viscosity and offers sealing with maximum solvent resistance against industrial fluids and gases including freon, ammonia and sulphur dioxide. It is an ideal locking and sealing compound for industrial applications such as mechanical valves that do not require dismantling.

### **Typical Applications**

Superloc 360 is specified for the high strength threadlocking of studs, grub screws and bolts where regular disassembly is not usual.

### **Product Benefits**

- Prevents leakage through porosity's and cracks.
- Excellent resistance against solvents and gases.
- Locks pre-assembled fasteners against vibration.
- Excellent thixotropic nature, preventing migration.
- Eliminates re-work where leaks are found in inspection.
- High strength.

This product simplifies product design and reduces production costs. It enables free running standard studs to be used instead of selected oversize studs. Thus parts such as castings can be thinner and lighter because of reduced assembly stress. This product is recommended for the locking and sealing of threaded parts, which do not normally require dismantling.

### **Performance Properties of Cured Truloc Superloc 360 (24 hrs @ 25°C)**

Strength (steel parts)M20    Locking torque Nm ISO10964

Breakaway	28-35
Prevailing	50-65
Shear strength DIN 54452	15-20 N.mm <sup>2</sup>
Handling minutes	10-20
Functional hours	1-3

### **Physical Properties of uncured Truloc Superloc 360**

Monomer	Di-Methacrylate ester
Colour	Red
Viscosity, Brookfield 25 deg C	500 mPa.s
Flash Point (CoC)	100 deg C
Max. Diameter of thread/gap fill	M20 0.15mm
Shelf life at 5 - 25 deg C	1 year min
Temperature Range	-55 to +150 Deg Centigrade

**Solvent Resistance**

Truloc Superloc 360 has excellent solvent resistance for the majority of locking and sealing applications. After 30 days immersion at 85 degrees centigrade in oil, transmission fluid, gasoline and glycol the strength retained was between 80-90% of original strength.

**Temperature Performance**

Truloc Superloc 360 is recommended for use at operating temperatures ranging from minus 55 degrees centigrade to plus 150 degrees centigrade.

**Resistance to Vibration Loosening**

Loosening of the assembly by transverse dynamic loads generally causes assembly failure. Truloc Superloc 360 completely fills the void within the joints and thus prevents movement in the assembly, eliminating vibration loosening. The product provides 100% contact between the locking surfaces.

**Packaging**

Truloc Superloc 360 is available in 10ml, 50ml and 250ml polythene containers.

**Storage**

Materials should be stored in original containers, which provide air space to maintain the product in a liquid state. Store between 5 and 25 deg C for maximum shelf life.

**Caution**

These products are generally non-toxic and are not common allergenic materials. They can however cause skin sensitising when used continuously where skin is bruised or micro-lacerated. Contact with skin in such conditions should be avoided. Adhesive can be removed from the skin with soap and water.



IRRITANT

**Note**

The information given in this Data sheet is the result of controlled laboratory tests and experience. It is intended only as a guide to the user in selecting the appropriate grade of Truloc product. Users must satisfy themselves by appropriate tests that the grades they propose to use are suitable for their specific application. Truloc Ltd is not responsible for loss, claim or damages resulting from the use of their products.

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