



# TRULOC Technical Data Sheet

Superfit 271

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## **Product Description**

Truloc Superfit 271 is a single component high viscosity anaerobic adhesive designed for high strength fast curing thread locking and retention of cylindrical parts.

It has been designed for applications requiring maximum static strength high dynamic/fatigue resistance and extra large gap filling properties. The cured adhesive is a thermo set plastic with excellent temperature and chemical resistance

## **Typical Applications**

Truloc Superfit 271 will seal threads and retain all cylindrical parts subject to radial and axial forces permitting parts to be slip fitted together instead of being press fitted.

## **Product Benefits**

High strength, fast curing with large gap filling properties.

Maximum static strength with high dynamic/fatigue resistance.

Prevents leakage through porosity's and cracks.

Excellent resistance against solvents and gases.

Excellent thixotropic nature, preventing migration.

## **Performance Properties of Cured Truloc Superfit 271**

Strength (steel parts)M36   Locking torque Nm ISO10964

Breakaway	30-40
Prevailing	55-70
Shear strength DIN 54452	25-30 N.mm <sup>2</sup>
Handling minutes	2-5
Functional hours	1-3

## **Physical Properties of uncured Truloc Superfit 271**

Monomer	Di-Methacrylate ester
Colour	Green
Viscosity, Brookfield 25 deg C	2500 – 3000cps
Flash Point (CoC)	100 deg C
Max. gap filling ability	M36 /1½" / 0,20mm
Shelf life at 5 - 25 deg C	1 year min
Temperature range	-50°C to + 150°C



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### **Solvent Resistance**

Truloc Superfit 271 has excellent solvent resistance for the majority of locking/fitting 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 Superfit 271 is recommended for use at operating temperatures ranging from minus 55 degrees centigrade to plus 150 degrees centigrade.

### **Resistance to Vibration Loosening**

Assembly failure is generally caused by loosening of the assembly by transverse dynamic loads. Truloc Superfit 271 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 Superfit 271 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.