



TRULOC Technical Data Sheet

Superfit 231

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Product Description

Truloc Superfit 231 is a high strength retainer. The product augments press fits and allows the use of sliding fits in place of interference fits. Superfit 231 cures fast and reliable on all metal surfaces. The facility of sliding fits offered by Superfit 231 means that lighter and thinner gauge parts can be used. The cured adhesive provides 100% contact between the joined materials and stress concentrations in the assemblies are minimised.

Typical Applications

Bushings, bearings, rotors to shafts, oil impregnated bushings, drill jib bushings, gears, pulleys, fans, collars, cams etc.

Product Benefits

Prevents leakage through porosity's and cracks.
Excellent resistance against solvents and gases.
High strength.
Permits sliding fits.
Prevents fretting, corrosion and seals assemblies.
Single component product.
Minimises stress concentrations.

Performance Properties of Cured Truloc Superfit 231

Strength (steel parts)M12 Locking torque Nm ISO10964

Breakaway	25-30
Prevailing	50-60
Shear strength DIN 54452	17-22 N.mm ²
Handling minutes	5-10
Functional hours	1-3

Physical Properties of uncured Truloc Superfit 231

Monomer	Di-Methacrylate ester
Colour	Green
Viscosity, Brookfield 25 deg C	125cps
Flash Point (CoC)	100 deg C
Max. gap filling ability	0.10mm
Shelf life at 5 - 25 deg C	1 year min



Solvent Resistance

Truloc Superfit 231 has excellent solvent resistance for the majority of fitting, retaining 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 231 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 231 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 231 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.