TRULOC Technical Data Sheet

Superseal 937 Dated: 25.07.2009

Truloc Ltd
9 Maxted Road
HEMEL HEMPSTEAD
HP2 7DX
Tel: +44(0) 1442244205
Fax: +44(0) 1442248292

Product Description

Truloc Superseal Hydraulic Sealant 937 is a medium viscosity liquid sealant for sealing hydraulic and pneumatic threaded connectors up to 2cm. It permits the locking and sealing of valves, gauges, elbows, piping and other hydraulic and pneumatic equipment at any angle without danger of damaging threads through excessive tightening. Contains nothing, which could clog valves or fine filters and is thixotropic to prevent migration. The sealing can easily be broken using normal tools. The anaerobic nature of these sealants ensures that any excess sealant within the fitting can easily be wiped or flushed away.

Typical Applications

Locks threads, joints, valves, gauges, elbows, piping and many other hydraulic and pneumatic applications.

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.

Performance Properties of Cured Truloc 937

Strength (steel parts)M20	Locking torque Nm ISO10964
Breakaway	12-16
Prevailing	18-24
Shear strength DIN 54452	8-12 N.mm²
Handling minutes	10-20
Functional hours	1-3

Physical Properties of uncured Truloc 937

Monomer	Di-Methacrylate ester
Colour	Brown
Viscosity, Brookfield 25 deg C	500cps
Flash Point (CoC)	100 deg C
Max. gap fill M20 ¾	0,15mm
Shelf life at 5 - 25 deg C	1 year min
Temperature range	-50 - +150 deg C

Solvent Resistance

Truloc Superseal 937 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 Superseal 937 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 Superseal 937 completely fills the void within the threaded joints and thus prevents movement in the assembly, eliminating vibration loosening. The product provides 100% contact between the locking surfaces.

Packaging

Truloc Superseal 937 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 are not responsible for loss, claim or damages resulting from the use of their products.

Truloc Ltd
9 Maxted Road
HEMEL HEMPSTEAD
HP2 7DX
Tel: +44(0) 1442244205
Fax: +44(0) 1442248292