TRULOC Technical Data Sheet

Superloc 355 Dated : 01.07.2009

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

Product Description

Truloc Penetrating adhesive Superloc 355 is a low viscosity anaerobic one component sealant designed for post-assembled fasteners. It effectively penetrates the voids found in seated fasteners to facilitate locking of assembled joints without disassembling. It can penetrate into pores and cracks by capillary action and fills voids as large as 0.07mm in threads and 0.1mm in porosity.

Typical Applications

Recommended for locking small nuts, bolts, studs and adjustable screws after components have been assembled. It can also be used to penetrate and seal hairline cracks and small pores in moulds and castings.

Product Benefits

Allows locking and sealing of assembled components
Prevents leakage through porosity's and cracks.
Excellent resistance against solvents and gases.
Locks pre-assembled fasteners against vibration.
Excellent capillary nature.
Eliminates re-work where leaks are found in inspection.
Medium to high strength.

Performance Properties of Cured Truloc Superloc 355

Strength (steel parts)M5	Locking torque Nm ISO10964
Breakaway	15-25
Prevailing	30-40
Shear strength DIN 54452	8-12 N.mm²
Handling minutes	10-20
Functional hours	1-3

Physical Properties of uncured Truloc Superloc 355

Monomer	Di-Methacrylate ester
Colour	Green
Viscosity, Brookfield 25 deg C	15 cps
Flash Point (CoC)	100 deg C
Max. gap filling ability	0.07mm
Shelf life at 5 - 25 deg C	1 year min
Temperature Range	-55 to +150 Deg Centigrade

Solvent Resistance
Truloc Superloc 355 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 355 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 Superloc 355 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 355 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