



TRULOC Technical Data Sheet

733 Flange Sealant

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Product Description

Truloc 733 Flange Sealant is a highly flexible thixotropic anaerobic paste formulated for low strength medium gap filling applications requiring easy disassembly. It provides a 100% contact and sealing between flanges and improves the structure rigidity of the final assembly.

Typical Applications

It is recommended for parts such as hydraulic and pneumatic control valves, hydraulic transmission assembly and engine casings. An instant seal against pressure of up to one bar is achieved after assembly of mating parts with metal to metal contact. It can also be used where components are in operation immediately after assembly, thereby reducing costly down-time.

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.

The controlled curing characteristics of 733 Flange Sealant allows sufficient time for proper alignment and adjustment of components. This product can be used on thin gauge metal components.

Performance Properties of Cured Truloc 733 Flange Sealant

Adhesive strength

Shear ASTM-D 1002 N.mm ²	4-6
Tensile ASTM-D 2095 N.mm ²	2-4
Impact ASTM-D 905 N.mm/ mm ²	4-8
Handling minutes	20-40
Functional hours	3-6

Physical Properties of uncured Truloc 733 Flange Sealant

Monomer	Di-Methacrylate ester
Colour	Green Fluorescent
Viscosity, Brookfield 25 deg C	30,000cps
Flash Point (CoC)	100 deg C
Max. gap filling ability	0.30mm
Shelf life at 5 - 25 deg C	1 year min

**Solvent Resistance**

Truloc 733 Flange Sealant 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 733 Flange Sealant 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 733 Flange Sealant completely fills the void within the mating joints and thus prevents movement in the assembly, eliminating vibration loosening. The product provides 100% contact between the locking surfaces.

Packaging

Truloc 733 Flange Sealant is available in 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.

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