



Industrial

Technical Datasheet ST27

Product Description

StopTite ST27 is a slow curing pipe-sealant, that provides a non-shrink, instant low pressure seal on tightened fittings of up to 150psi. Once fully cured, this grade can resist pressures of up to 10,000psi, whilst maintaining a vibration proof seal that is resistant to most chemicals and corrosion. This grade is designed to offer a controlled low to medium break strength, to allow component disassembly.

Typical Applications

StopTite ST27 is designed for the locking and sealing of metal pipes and fittings, and is used on most hydraulic, pneumatic, oil, water and gas connections. **ST27** also contains Teflon, which lubricates the parts during assembly, providing additional maintenance support.

Instructions For Use

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive (see Compatibility Chart), apply suitable **StopTite Primer**.
3. Apply a bead of adhesive around the leading 2nd and 3rd threads of the male fitting (this prevents uncured sealant from entering the system by not filling the first thread).
4. Ensure the applied material fully fills all covered voids.
5. Use suitable methods to assemble components, and tighten to required torque level.
6. For ultimate pressure and solvent resistance allow the material to cure fully prior to use.

Properties of Uncured Material

Resin	Dimethacrylate
Colour	Yellow
Viscosity @ 25°C	
Brookfield Sp 5 @ 20 rpm	16,000 - 33,000 cps
Cure System	Anaerobic

Performance of Cured Material

Fixture Time	<30 Minutes @ 25°C
Fixture Time with Activator	<10 Minutes
Full Cure Time	24 hours @ 22°C
Temperature Range	-53°C to 148°C
Pressure Resistance	10,000psi
Typical Breakaway Strength	11 Nm
Typical Prevailing Strength	6 Nm

Packaging

StopTite ST27 is available in 50ml and 250ml LDPE tubes. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

StopTite ST27 should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

Health and Safety in Use

Irritant: Contains Methacrylate Esters which may irritate eyes, respiratory organs and skin. In case of contact with the skin, wash immediately with plenty of water. For full Health and Safety information please consult the MSDS.