

Introduction

SealXpert™ TS577 Thread Sealant is a one component, high viscosity, thixotropic, high strength, fast cure anaerobic pipe thread sealant. It is used for pipe thread sealing at rigorous operating condition or of large gap.

Typical Applications

Typically used for sealing stainless steel pipe thread or pressure sealing of taper/straight pipe thread below M80.

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Yellow liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		70000-
6# Spinder 2.5rpm	100000	130000
20rpm	24000	16000-33000
Specific Gravity (g/cm ³)	1.10	
Flash Point (°C)		>93
Max. Thread diameter	M80	
Fixture (h)		<1

Typical Performance of Cured Material

Full curing time at room temperature (h)	24
Max. sealing pressure (MPa)	65
Disassemble strength	medium
Sealing operation time under pressure	instant
Working Temperature (°C)	-50-150

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temp (°C)	100h	500h	1000h	5000h
Motor oil	125	85	85	75	75
Leaded gasoline	22	100	100	95	95
Ethanol	22	95	95	95	95
Acetone	22	95	95	95	95
Water/Glycol (50%/50%)	87	100	85	85	85

Directions for Use

For best performance, surfaces should be clean, dry and free of grease. Product should be applied to the surface in sufficient quantity to fill all engaged threads. Assemble in a normal way and leave sufficient time for curing.

Shake the product thoroughly before use.

Notice

To prevent contamination of the unused product, do not pour back any unused material to the original container.

The product is not recommended for use in pure oxygen and/or oxygen rich systems. It is not recommended for use on plastics.

Keep away from children.

The product contains acrylic acid and methacrylate ester, which may irritates skin and eyes. It is recommended to use the product at a well-ventilated place.

In case of contact with eyes or skin, rinse immediately with water. If symptom persists, visit a physician immediately.

Please refer to MSDS for more details.

Package

Item No.:TS577, 50ml bottle

Item No.:TS577, 250ml bottle

Storage

Stored in a cool and dry location in unopened containers at 8 to 28°C.

The product shelf life is 24 months.