

Introduction

SealXpert™ FS515 Flange Sealant is a one component, thixotropic viscosity, anaerobic flange sealant. It cures between two close-fitting metal surfaces when confined in the absence of air.

Typical Application

Used for flange sealing with minor flange movements with filling gap size of 0.25mm. Typically suitable for sealing rigid and heavy loading gear case and driving axle etc.

Typical properties of uncured material

	Typical Value	Range
Appearance	Purple paste	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield HB		
T-B Spindle 0.5rpm	1200000	700000-1700000
5rpm	180000	150000-375000
Specific Gravity (g/cm ³)	1.10	1.05-1.15
Flash point (°C)		>93
Max. Gap fill (mm)	0.25	
Fixture (h)		1-2

Typical properties of cured material

Full curing time (h)	24	
Cured State Flexible		
Max. Seal Pressure (MPa)	30	
Shear Strength (MPa)		≥5
Working Temp (°C)		-50~150

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temp (°C)	%of Initial Strength	
		100h	500h
Motor oil	125	160	150
Leaded gasoline	22	20	15
Water/Glycol (50%/50%)	87	80	80

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.

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.: FS515, 50ml tube

Item No.: FS515, 300ml cartridge

Storage

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

The product shelf life is 24 months.