

Introduction

SealXpert™ AT290 Threadlocker is a one component, low viscosity, medium strength, high penetrability anaerobic threadlocker. It cures when confined between close fitting metal surfaces in the absence of air.

Typical Applications

Prevent loosening and leakage from shock and vibration. Used for locking and sealing preassembled threaded fasteners under M12. Prevent thread rusty. Typical application: adjustable screw locking, weld line crack, casting crack and dispersed micropores leakage stopping.

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Green liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		
1# Spindle 60rpm	12	10-12
Specific Gravity (g/cm3)	1.08	
Flash point (°C)		>93
Max. Gap fill (mm)	0.10	
Fixture (min)	15	5-15

Typical Properties of Cured Material

Full curing time (h)	24	
Break Torque (N.m)	10	
Prevail Torque (N.m)	26	
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	1000h
Motor oil	125	85	85	85
Leaded gasoline	22	90	90	90
Ethanol	22	80	80	80
Acetone	22	85	85	85
Water/Glycol (50%/50%)	87	90	90	90

Directions for Use

For best performance, surfaces should be cleaned, dry and free of grease.

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.

This product is not recommended for use in pure oxygen and/or oxygen rich systems. It is not recommended 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. AT290 50ml bottle
AT290 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.