

Product Data Sheet

Ultraseal Rexeal 100 Sealant

Rexeal 100 is the market leading recycling sealant, offering unrivalled sealing performance and significant commercial and environmental benefits compared to conventional non-recycling sealants. It is formulated to allow material washed from the surface of the casting to be separated, recovered and reused for processing. The product provides a number of performance, cost saving and environmental benefits compared to non-recycling sealants.

Rexeal 100 is designed for sealing porosity in metal castings and powder metal parts and provides best-in-class chemical resistance against lubricants, fuels, hydraulic fluid, antifreezes, refrigerants (R134) and acids.

Rexeal 100 has gained approvals from major automotive OEMs and many of their suppliers and has Qualified Product status for the internationally recognised US Military Specification MIL-I-17563C.

Benefits

- Up to 95% recyclable
- Permanent seal
- Reduce water and sealant consumption
- Reduce waste water treatment costs
- Best-in-class chemical and temperature resistance
- Ultimate process stability
- Improve uptime and productivity
- Enhanced washing characteristics
- Environmentally friendly formulation

Approvals

- US Military Specification MIL-I-17563C
- Approved by automotive manufacturers and their supply chain worldwide

Find out more

sales@ultraseal-impregnation.com
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General

APPEARANCE	Clear pale straw liquid	ODOUR	Mild methacrylate
VISCOSITY 20°C Seta Zahn No 1	26 - 30 seconds	S.G. 20°C	0.910 - 0.935
FLASH POINT Twin Pack (uncatalysed)	>100°C	GEL TIME 0.8% DB42, degassed	90 - 180 seconds
CONTAMINATION TOLERANCE	Very good	WASHABILITY	Very good
POT LIFE Under normal operating conditions	Indefinite	SHELF LIFE Under normal storage conditions	12 months** 6 months***
TEMPERATURE RANGE* Cured phase	-76 / +220°C	US MIL-I-17563C APPROVED	Yes

Chemical Resistance

US MIL-I-17563C Test Conditions, Impregnated US MIL Test Rings, Test Pressure 50 psi

Environment	Time	Temperature	Result
WATER	14 days	100°C	No Leak
OIL	14 days	99°C	No Leak
HYDROCARBON FLUID	14 days	23°C	No Leak
CARBON REMOVAL FLUID	30 minutes	23°C	No Leak
LUBRICATING OIL	48 hours	121°C	No Leak
TURBINE FUEL	48 hours	23°C	No Leak
ETHYLENE GLYCOL	14 days	149°C	No Leak
HYDRAULIC FLUID	14 days	99°C	No Leak
FUEL	48 hours	23°C	No Leak
DIESTER GREASE	48 hours	23°C	No Leak
SULPHURIC ACID (18%)	2 hours	23°C	No Leak
STODDARD SOLVENT	48 hours	23°C	No Leak
ETHYL ALCOHOL	14 days	23°C	No Leak

* Specified conditions

**Twin Pack

***Single Pack

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Chemical Resistance

Ultraseal International Test Conditions, Impregnated US MIL Test Rings

Test Pressure 50 psi

Environment	Time	Temperature	Result
ENGINE OIL	14 days	150°C	No Leak
BRAKE FLUID	14 days	150°C	No Leak
ETHYLENE GLYCOL	14 days	150°C	No Leak
HYDRAULIC FLUID	14 days	150°C	No Leak
UNLEADED PETROL	14 days	25°C	No Leak
WATER	14 days	100°C	No Leak
PAG OIL	14 days	150°C	No Leak
R134A REFRIGERANT	6 months	Ambient (-10°C to 35°C)	No Leak

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