



# Product Data Sheet

## Ultraseal Rexeal 100 Sealant

Rexeal 100 is a recycling sealant formulated with a chemistry that allows 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 against leakage of coolants, lubricants, fuels, hydraulic fluid and air in automotive powertrain, steering and air condition systems.

Rexeal 100 has gained approvals from major OEMs and many of their first and second tier suppliers.

### Benefits

- Ultimate process stability
- Up to 95% recyclable
- Fast gel time
- Reduced catalyst consumption
- Enhanced washing characteristics
- Increased thermal resistance
- Environmentally friendly formulation

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

### Approvals

- US Military Specification MIL-I-17563C
- Chery, Chrysler, Ford, GM, Hyundai, Kia, Mercedes, Nissan, VW

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

### Find out more

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\* 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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