



# Ultraseal International

## Ultraseal Rexeal 100 Sealant

### Product Data Sheet

Rexeal 100 is the latest generation of recycling sealant from Ultraseal International offering significant environmental benefits when compared to conventional non-recycling sealants. Ultraseal Rexeal 100 has been developed to bring additional tangible benefits to the user when compared to Ultraseal's globally approved MX2 sealant. These benefits include: improved process stability; reduced catalyst consumption; enhanced washing characteristics; increased thermal resistance; a more environmentally friendly formulation. Ultraseal Rexeal 100 has achieved Qualified Product status for the internationally accepted US Military Specification MIL-I-17563C.

#### GENERAL:

<b>Appearance:</b>	Clear pale straw liquid	<b>Odour:</b>	Mild methacrylate
<b>Viscosity</b> 20 °C Seta Zahn No 1	27 – 30 seconds	<b>S.G.</b> 20 °C	0.910 – 0.935
<b>Flash point</b> Twin Pack (uncatalysed)	>100 °C	<b>Gel time</b> (0.8% DB42, degassed)	90 sec – 180 sec
<b>Contamination tolerance:</b>	Very Good	<b>Washability</b>	Very Good
<b>Pot life:</b> Under normal operating conditions	Indefinite	<b>Shelf life:</b> Under normal storage conditions	12 months (twin pack) 6 months (single pack)
<b>Temperature range*:</b> Cured phase	-50 / +220 °C	<b>US MIL-I-17563C Approved</b>	Yes

#### CHEMICAL RESISTANCE

*US MIL-I-17563C Test Conditions, Impregnated US MIL Test Rings, Test pressure 50 p.s.i.*

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	19°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

*Ultraseal International Test Conditions, Impregnated US MIL Test Rings, Test pressure 50 p.s.i.*

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

*Ultraseal International Miscellaneous, Impregnated US MIL Test Rings, Test pressure 300 p.s.i.*

Heat/Freeze cycle*	6 months	-30°C – 160°C	No Leak
--------------------	----------	---------------	---------

\* Specified conditions

This information is, to the best of our knowledge, accurate at the time of going to press and is offered without prejudice.