



prixmax
sustainable solutions..

RCP Platinum®

PrixMax RCP Platinum® is an advanced nitrite, amine, phosphate and silicate (NAPS) free and borate free OAT corrosion inhibitor coolant concentrate that offers ultra long life corrosion protection and superior heat transfer performance for cooling systems of automotive, light duty, heavy duty (on-road and off-road), marine, agricultural, stationary and power generation applications where freeze protection is not required. This product is the first coolant to be certified 100% Carbon Neutral. Developed for super extended service performance in heavy duty engines in particular, PrixMax RCP Platinum® is the next generation in the PrixMax RCP product line, which boasts arguably the most extensive field experience in Australia and South East Asia in mining, oil and gas, power generation and heavy transport applications of any comparable product on the market.

PrixMax RCP Platinum®		
Property	Method	Typical Results
pH	ASTM D 1287	8.1
Density (g/mL) 20°C	ASTM D 1122	1.06
Storage Stability		< 5 years
Solubility In Water		Complete
Ethylene Glycol, wt%		Nil

Product Benefits

- Up to 25-40% better heat transfer compared with conventional glycol-based coolants
- Excellent high temperature corrosion protection
- Can be used in most OEM automotive and OEM diesel and natural gas engines
- Environmentally safe Nitrite, Amine, Phosphate and Silicate (NAPS) free formulation
- Contains no borates or heavy metals
- Readily biodegradable
- Certified Carbon Neutral
- Non-flammable
- Low toxicity to marine and animal life based on recommended mix ratio
- Compatible with all OEM system seals, hoses and plastic components
- Increases water pump life due to improved lubrication and minimal wear on water pump seals
- No Australian Poisons Schedule, HAZCHEM, Dangerous Goods or GHS hazardous chemical classification when used at the recommended mix ratio



Service Life*

- Up to 8 years, 250,000kms (Automotive & Light Commercial vehicles)
- Up to 8 years, 1,250,000kms or 24,000 hours (Medium & Heavy Duty)
- Up to 8 years or 34,000 hours (Stationary, Earthmoving, Mining & Marine)

*When maintained in accordance with Recommended Service Schedule and regular Coolant Health Check-ups

CHIRON COOLANTS PTY LTD

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Performance Standards And Testing

PrixMax RCP Platinum® meets AS 2108-2004 Engine Coolant Type B. For temperate climates where antifreeze is not required, PrixMax RCP Platinum® is recommended for use in, or where the following performance standards or specification requirements are cited:

- ASTM D3306, D4985 and D6210
- BS 6580
- Caterpillar EC-1
- Cummins CES 14603 (following AEB 90.47 recommendations)
- Detroit Diesel
- Deutz
- Ford ESD-M99B 166-C and WSS-M97B44-C
- GM 1825M, GM 1899M and GM 6277M
- Hitachi
- International
- Isuzu
- Jaguar
- JIS K2234 (Japan) and JASO M325 (Japan)
- Komatsu
- Land Rover
- Liebherr MD 1-36-130 (DCA)
- Mack Trucks
- MAN 248 / MAN Diesel 2 and 4-stroke engines
- Mercedes Benz / Mercedes Benz Trucks MB 312.0
- Mitsubishi
- MTU (MTL 5049)
- MWM (TR0199-99-2091)
- Navistar
- Nissan
- PACCAR (Kenworth and DAF)
- Renault
- Ruston
- SAE J1034
- Scania TI 2-98 0813 TB
- Sulzer Diesel 2-cycle engines
- TMC RP 329, RP 338 and RP 364
- Toyota
- Ulstein Bergen 2.13.01 diesel & gas engines
- Volkswagen / Audi / Skoda / SEAT
- Volvo
- Waukesha
- Wärtsilä
- Yanmar
- Meets the phosphate-free and nitrite-free requirements of European manufacturers
- Meets the silicate-free and borate-free requirements of Japanese manufacturers

Seals and Components

Exceeds the industry standard CEC elastomer compatibility test L-39-T-96 for oils and coolants, after undergoing successful testing for a duration of 42 days for all CEC standard elastomers under reflux boiling conditions.

This is six times greater than the standard testing duration:

- RE1 FPM Fluoro-carbon elastomer (Viton)
- RE2 ACM Polyacrylic rubber
- RE3 MVQ Methyl Vinyl Silicone (Silicone)
- RE4 NBR Nitrile-butylene elastomer (Nitrile)
- EPDM Ethylene propylene elastomer (ISO 6072 elastomer)

Applications

PrixMax RCP Platinum® is suitable for use in all of the following applications where freeze protection is not required and where a nitrite free, silicate free product is recommended:

- Passenger cars, 4x4s, SUVs and light commercial vehicles
- Mixed fleets where cars, light duty trucks and heavy duty trucks are being serviced
- Construction, earthmoving and mining equipment
- On-road, off-road and marine cooling systems
- Stationary power generation engines
- High temperature aluminium alloy engine blocks

Maintenance

General

- For true long-life protection, do not mix PrixMax RCP Platinum® with other coolant products.
- The coolant should be changed out at overhaul or 6 years subject to testing.
- The shelf life of the product is at least 2 years. The product should be protected from frost and direct sunlight during storage. The product should be stored above -5°C and preferably at ambient temperatures and periods of exposure to temperatures above 35°C should be minimised.
- Always dispose of the used coolant in accordance with local, state and federal guidelines.
- For frost protection against sub-zero temperatures use the ethylene glycol based concentrate PrixMax MEG95 antifreeze/coolant or PrixMax Opti-Cool 4G antifreeze/coolant.
- Full technical support of the PrixMax laboratory is available through our comprehensive Coolcheck® scheduled coolant analysis program, which at least annually determines the overall condition of the coolant and cooling system.
- A basic coolant maintenance check every oil change or 250 service hours can be performed using PrixMax Coolant Test Strips or a hand-held glycol refractometer to identify problems with maintenance procedures and operational practices.

Recommended Coolant Concentration

This product is a super concentrate and must be diluted with good quality water before use. For optimum corrosion protection for all applications, the recommended treat rate of PrixMax RCP Platinum® concentrate is 75ml for every 1 litre of cooling system capacity (7.5%). At this concentration, 750ml of PrixMax RCP Platinum® concentrate will treat up to 10 litres of cooling system capacity. This product can be used at a minimum concentration of 5.5% in petrol engine passenger cars, however service life may be reduced. It is not recommended to exceed a concentration level of 10% in the cooling system.



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