

# RM Engine Coolant Ethylene Concentrate Green

Previously known as Coolant Engine Green

## Description

**RoadMaster (RM) Engine Coolant Ethylene Concentrate – Green** is a long life concentrated anti-freeze/anti-boil corrosion inhibitor. It is recommended for the protection of cooling system of petrol and diesel engines operating in all conditions.

## Applications

RM Engine Coolant Conc. – Green can be diluted at 33% to 50% with soft or demineralised water, however it is recommended that you should check the engine manufacturers' recommendation.

Mix Ratio	Makes	Boils at	Freezes at
33.3%	1 litre makes 3 litres	127°C	-18°C
50%	1 litre makes 2 litres	132°C	-37°C

Compatibility with other reputable formulated glycols has been tested and found satisfactory. However, in line with industry practice, the blending of different formulated glycols is not recommended.

## Features & Benefits

RM Engine Coolant Conc. – Green uses hybrid technology which is mix of organic and inorganic additives. Its advantage is that the corrosion-inhibiting product is less likely to break down with extended use. This allows maximum corrosion and anti-freeze/anti-boil protection for up to 250,000km or four years.

Note: Use RM Engine Coolant where the manufacturer recommends Organic Acid Technology (OAT).

## Specifications

Properties	Method	Specific Values (DHIM Recommendation)	Result	
General Property	Specific Gravity (100%)	ASTM D1122	1.110 – 1.145	1.135
	Freezing Point 50 vol% in water, °C	ASTM D1177	-37°C or lower	-37
	Boiling Point	ASTM D1120	163° min	176
			107.8° min	109
	Effective on automotive finish	ASTM D1882	No Effect	No Effect
	Ash Content, max, wt%	ASTM D1119	5% max	
	Chloride, PPM	ASTM D1287	25 max	<10
	pH, 50 vol% in distilled water	ASTM D3634	7.5 – 11.0	7.6
	Water, wt% max	ASTM D1123	5	2.3
Reserve Alkalinity, mL	ASTM D1121	Report	17	

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## Specification Continued

Properties		Method	Specific Values (DHIM Recommendation)	Result
Corrosion in Glassware - 33.33%	Copper, mg/specimen, max	ASTM D1384	10 -5	1
	Solder, mg/specimen, max	ASTM D1384	30 -5	1
	Brass, mg/specimen, max	ASTM D1384	10 -5	0
	Steel, mg/specimen, max	ASTM D1384	10 -5	1
	Cast Iron, mg/specimen, max	ASTM D1384	10 -5	2
	Aluminium, mg/specimen, max	ASTM D1384	30 -5	1
Simulated Service Test	Copper, mg/specimen, max	ASTM D2570	20	1
	Solder, mg/specimen, max	ASTM D2570	60	1
	Brass, mg/specimen, max	ASTM D2570	20	2
	Steel, mg/specimen, max	ASTM D2570	20	0
	Cast Iron, mg/specimen, max	ASTM D2570	20	1
	Aluminium, mg/specimen, max	ASTM D2570	60	1
Corrosion of cast Aluminium Alloys at heat rejecting surface, mg/cm <sup>2</sup> /week, max (20vol%)		ASTM D4340	1 -0.5	0.17
Foaming	Volume, mL	ASTM D1881	150 max	45
	Break Time, max	ASTM D1881	5 max	2
Cavitation-Erosion for pump, rating max		ASTM D2809	8 min	9



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## Performance Levels

Recommended Against the Following Standards and Recommendations			
AS/NZS 2108.1:1997 Type A	SAE J 1034	Mercedes Benz DBL 7700	Volvo UK
BS 6580	GM 1825M/GM 1889M	Caterpillar 1 EO 535 (Performance)	BMW UK
JIS K 2234	GM Holden HN 2043	Cummins 92 T8-9	Saab FSD 8074
ASTM D3306	GM Holden HN 2217	Nissan NES 5059 LLC	Detroit Diesel Allison 7SE29
ASTM D464 (H D Engines)	Ford ESE-M97B44-A (Auto)	GMEL1301	MWN Diesel D234 2/15
ASTM D4656	Ford ESE-FM97B18-C	Mazda MES MN 1210	Toyota K2601G-1G
AS 2108.84	ASTM D2570	ASTM D1384	ASTM D2809

Technical Data Sheet



Master Item# 2909

Pack Size Availability: 5L, 20L, 200L, IBC=1000L

Last Updated: 6<sup>th</sup> November 2024  
Previously Updated: 13<sup>th</sup> December 2023