

PROCOOL POWER WB PREMIX GREEN

PRODUCT DATA SHEET

'Ready-to-Use' Water Based Coolant (pre-diluted) where non-glycol products are used or specified for gasoline and diesel engines.

Procool Power WB Premix Green is a light duty or heavy duty water based engine coolant already pre-mixed and ready to use. It contains corrosion inhibitors to protect engine parts normally found in cooling systems of gasoline and diesel engines. It is suitable for light duty automotive as well as heavy duty applications where water based coolants are specified or used. Procool Power WB Premix Green is ready to use and requires no additional dilution with water.

APPLICATIONS

Heavy duty and light duty engine coolant Procool Power WB Premix Green is a nitrite, amine and phosphate-free (NAP) engine coolant suitable for light duty automotive as well as heavy duty diesel & CNG engines found in on-road, off-road, marine, agricultural, mining and construction equipment where a water based coolant is either specified or used.

Procool Power WB Premix Green contains inhibitors to protect engine parts against corrosion, including copper, solder, brass, steel, cast iron and aluminium parts. It also provides excellent wet sleeve liner cavitation protection without the use of nitrites. The product is recommended for use in mixed fleet, gasoline and diesel, applications where a water based fluid may be used. As sold, it is ready for use - **do not add water.**

PERFORMANCE FEATURES AND BENEFITS

Long life organic additive technology

This product when used in heavy duty diesel applications is suitable for up to 960,000km, 6 years and 12,000hrs, whichever comes first. In automotive applications, the product is suitable for up to 5 years or 250,000km, whichever comes first. When used in Stationary Engine equipment, the product is suitable for 32,000 hours of service life.

Field compatibility

Procool Power WB Premix Green is miscible and compatible with other similarly formulated water based coolants.

Free from silicates, phosphates, borates, nitrites and amines

No possibility for silicate gelation and related fallout issues.

Environmentally friendly

Product contains no glycol and the organic components are readily biodegradable.

SPECIFICATIONS AND APPROVALS

Procool Power WB Premix Green is recommended for use where the following industry and OEM specifications are required:

ASTM	D3306/D6210	GM	1825M /1899M/	Renault	Type D
BS	6580		6277M	VW/Audi	TL-774 F
JIS	2234	Komatsu	AFNAC	Nissan	NES 5059 LLC
CAT	EC-1	MAN	324 NF	Peugeot	B71 5110
Cummins	CES 14603	Mercedes	MB 325.3/326.3		
Chrysler	MS12106	MTU	MTL 5049		
Ford	WSS-M97B44-D1/ WSS-M97B51-A	Volvo			
		Scania			

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HEALTH & SAFETY

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Procool representative.

PROTECT THE ENVIRONMENT

Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

EXTENDED SHELF LIFE

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to two years after manufacture.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Procool Power WB Premix Green	Performance	Test Method
Appearance, visual colour	Green, Clear & Bright	Visual
Specific Gravity (15.6C)	1.005-1.015	ASTM D 1122
Freeze Point (50% by vol)	0C	ASTM D 1177
pH (50% vol)	7.5-9.5	ASTM D 1287
Reserve Alkalinity (ml 0.1N HCL)	1.5 Min	ASTM D 1121
Chloride (ppm)	25 Max	ASTM D 3634

These characteristics are typical of current production. Whilst future production will conform to Procool's specification, variations in these characteristics may occur.

PROCOOL CORROSION INHIBITOR -PREMIX PERFORMANCE TESTING

Coupon Type	ASTM D 1384-94 Glassware Corrosion		ASTM D2570-94 Simulated Service	
	Tests Results ¹	Max. Spec.	Tests Results ^{1,2}	Max. Spec.
Copper	0.1	10	+1.5	20
Solder	0.2	15	+13.7	60
Brass	0.0	10	+2.2	20
Steel	0.0	10	+4.9	20
Cast Iron	+1.9	10	+7.6	20
Aluminium	5.1	15	+13.1	60

¹ Weight loss per coupon in milligrams

² Aluminium radiator results

ASTM Test Procedure	Test Results ¹	Specification
D4340-89 Heat Rejecting Aluminium Corrosion	0.1 mg/cm ² /week	1.0 maximum
D2809-94 Aluminium Water Pump Cavitation-Erosion Corrosion (rating from 1 to 10)	9	8 minimum

¹ Weight loss per coupon in milligrams