

# Mabanol Engine Coolant Premium

## Silicate-Free Engine Coolant Concentrate

### Application

Mabanol Engine Coolant Premium offers excellent corrosion protection in the cooling system with its vital parts, the coolant channels in the block and cylinder head, the radiator, the water pump and the heatercore. It is also suitable for coolant systems with aluminum engines. It is miscible with most ethylene-glycol based engine coolants.

### Properties

Mabanol Engine Coolant Premium is a nitrite-, amine-, phosphate-, borate- and silicate-free antifreeze based on ethylene glycol.

It provides protection against corrosion, cavitation and deposits and reduces the formation of foam.

As with any antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage and mixing installation.

Recommendation: mix only with distilled water.

### Recommended for

- ASTM D 3306 / D 6210
- SAE J-1036
- BS 6580
- AFNOR NF R 15601
- CUNA NC 956-16 (2012)
- MAN 324 Typ SNF
- MB-Sheet 325.3
- MTU MTL 5048
- VW / Seat / Audi / Skoda VW TL 774 D / F
- Porsche Carrera, Boxster, Cayenne
- Opel / GM 6277 M
- Ford WSS-M 97B44-D
- Scania TI 02
- Caterpillar
- Volvo Coolant VCS, DAF Coolant
- Renault 41-01-00 / Q (Type D)
- Perkins engine from 2012
- Steyr / Case OAT technology
- SISU-AGCO ASTM 3306
- MAT 3624

### Dilution table

<b>Concentrate</b>	Ratio	1	1	1
<b>Water</b>	Ratio	2	1,5	1
<b>Frost protection</b>	°C	-20	-26	-36

Not to be mixed to frost protection ratios higher than -20°C, since a coolant content of less than 33 % would no longer ensure optimum corrosion protection.

### Data

	Test method	Unit	Value
Density at 15°C	ASTM D 1122	g/cm <sup>3</sup>	1,120 – 1,145
Boiling point	ASTM D 1120	°C	> 163
Flash point	ASTM D 92	°C	> 112
Water content	ASTM D 1123	Wt. %	< 5
pH value (at 50%)	ASTM D 1287		7,5 - 11

Updated in March 2022

The above values may vary within the commercial limits.

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