

# Mabanol Engine Coolant Premium ++

Nitrite-, Amine- and Phosphate-free Engine Coolant Concentrate

## Application

Mabanol Engine Coolant Premium ++ is specially designed for engines of the latest generation, including all-aluminum engines. It provides optimum protection against the formation of rust, frost and deposits in the coolant system and also fends off overheating. It is recommended to use a coolant-water dilution ratio of 33–50 % (see dilution table below). To ensure a maximum benefit of the coolant's key properties, it is recommended to not mix it with other antifreeze products. Please also pay attention to the manufacturer's instructions.

## Properties

Mabanol Engine Coolant Premium ++ is a nitrite-, amine- and phosphate-free engine coolant based on ethylene glycol and a silicon additive package.

## Recommended for

- ASTM D 3306
- SAE J-1036
- BS 6580
- CUNA NC 956-16 (2012)
- AFNOR NF R 15601
- VW / Seat / Audi / Skoda TL 774 G
- MB-Sheet 325.5, 325.6
- MAN 324 Si-OAT
- Scania 1451
- Steyr MAT 3624
- Liebherr LH-01-COL3A
- Especially suitable for vintage cars

## Dilution table

|                                 |     |     |     |
|---------------------------------|-----|-----|-----|
| <b>Ratio concentrate</b>        | 1   | 1   | 1   |
| <b>Ratio water</b>              | 2   | 1,5 | 1   |
| <b>Frost protection (in °C)</b> | -20 | -26 | -38 |

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

|                     | <b>Test method</b> | <b>Unit</b>       | <b>Value</b>  |
|---------------------|--------------------|-------------------|---------------|
| Density at 15°C     | ASTM D 1122        | g/cm <sup>3</sup> | 1,120 – 1,140 |
| Flash point         | ASTM D 92          | °C                | > 112         |
| Boiling temperature | ASTM D 1120        | °C                | > 170         |
| Water content       | ASTM D 1123        | Wt. %             | < 3           |
| pH value (at 50%)   | ASTM D 1287        |                   | 7,5 – 8,6     |

Updated in March 2022

The above values may vary within the commercial limits.

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