

Mabanol Engine Coolant Extra

Engine Coolant Concentrate

Application

Mabanol Engine Coolant Extra is based on monoethylene glycol and hybrid corrosion inhibitor package with salts of organic acids and silicates. It is suitable for use in aluminium engines. It is recommended to dilute 33 % of Mabanol Engine Coolant Extra with 67 % distilled water in order to offer frost protection of down to -20 °C. Dilutions of over 70 % are not recommended. For optimal anti-corrosive effect and to prevent sludge formation 50% radiator protection and 50 % water are recommended.

Mabanol Engine Coolant Extra is mixable with most of the ethylene glycol based engine coolants.

Properties

Mabanol Engine Coolant Extra offers excellent protection against corrosion, cavitation and deposits. In addition, it provides foam reduction and increases the boiling point of the water. It was developed to protect car, truck and bus engines of both ferrous and aluminium construction against corrosion and frost damage.

Mabanol Engine Coolant Extra is free of nitrites, amines and phosphates.

The use of galvanized steel is not recommended for pipes or any other part of the storage and mixing installation.

Recommended for

- ASTM D 3306 / BS 6580
- MAN 324 Typ SNF / 324 Typ NF Pritarder
- MAN Aquatarder PWR brake system (including cooling)
- MB-Sheet 325.0
- VW TL 774 C
- BMW N 600 69.0
- Liebherr TLV 035 / TLV 23009 A
- MTU MTL 5048
- Opel / General Motors 0240
- Deutz TR 0199-99-1115/5 DE
- Special Volvo antifreeze
- Fendt AGCO
- Steyr / Case
- Scania 1451
- Jenbacher
- Bomag

Dilution table

| | | | |
|---------------------------------|-----|-----|-----|
| Ratio concentrate | 1 | 1 | 1 |
| Ratio water | 2 | 1,5 | 1 |
| Frost protection (in °C) | -20 | -27 | -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

| | Test method | Unit | Value |
|------------------------|--------------------|--------------------|---------------|
| Density at 20°C | DIN 51 757 | g/cm ³ | 1,125 |
| Kin. Viscosity at 20°C | DIN 51 562 | mm ² /s | 24 – 28 |
| Flash point COC | DIN EN ISO 2592 | °C | 122 |
| Boiling temperature | ASTM D 1120 | °C | ≥ 180 |
| Refraction at 20 °C | DIN 51 423-2 | | 1,432 – 1,434 |
| pH value | ASTM D 1287 | | 7,2 |

Updated in April 2019

The above values may vary within the commercial limits.

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