

MOL EVOX Evo concentrate

coolant concentrate



MOL EVOX Evo concentrate is a ethylene glycol-based, pink colored coolant concentrate, produced with silicate and organic additive technology (OAT). It is free from nitrites, amines, and borates and is suitable for filling the cooling systems of internal combustion engines. It can be also used in Hybrids and indirect cooling systems of Battery Electric Vehicles (BEV).

MOL EVOX Evo concentrate is compatible with most ethylene-glycol based engine coolants, however exclusive use is recommended for optimum corrosion protection and inhibitor stability.

MOL EVOX Evo concentrate antifreeze coolant must be diluted with water prior to use. It is compatible with hard water, and can be mixed even with tap water* with a suitable mixing ratio, so that the solution has a concentration of 35-50 % (V/V). It cannot be used without being diluted!

For optimal performance use of deionised or distilled water is recommended.

* Use clean, not too hard water for preparing the coolant liquid. Do not use mining effluents, sea water, saline water, semi-saline water or industrial waste water.

Make sure that the water parameters do not exceed the following limit values:

Water hardness: 0-20°nK (0-3.6 mmol/l)

Chloride content: max. 100 ppm

Sulphate content: max. 100 ppm

If the water parameters exceed these values, then treat the water with an appropriate method, for example by adding clean distilled or deionised water to it, so that the chloride and/or sulphate levels are reduced to below the specified limit values.

Dilution data:

| Conc. (%) | Water (%) | Freeze protection |
|-----------|-----------|-------------------|
| 33 | 67 | -18 |
| 40 | 60 | -24 |
| 50 | 50 | -36 |
| 67 | 33 | -60 |

Application



Cooling systems of passenger and commercial vehicles, agricultural and construction machines and stationary gas engines

Cooling systems containing cast iron, aluminium and copper parts

Features and benefits

Good corrosion protection

Forms a stable protective film on the inner surface of the cooling system to ensure a long lifetime

Application specific composition

Protection against cavitation and sludge sedimentation

Compatible with construction materials

There's no damage to the plastic and rubber parts of the cooling system

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Specifications and approvals

BS 6580:2010
ASTM D 3306
AFNOR R-15-601
VW G12 EVO (TL 774-L)
VW/Audi/Seat/Skoda G12++ (TL 774-G)
VW/Audi/Seat/Skoda G13 (TL 774-J)
DTFR 29C120 (ex MB 325.5)
Ford ESD-M97B49-A
Chrysler MS-7170
Fiat 9.55523
BMW LC 87, LC 97, LC 18
Opel-GM GME L1301
Toyota 1WW/2WW Engines
Volvo Cars 128 6083/002

Properties

| Properties | Typical values |
|---|----------------------|
| Appearance | bright, clear liquid |
| Colour | pink |
| Density at 15°C [g/cm ³] | 1,120 |
| Corrosion test in glassware [mg] | |
| - cast aluminium [mg] | 0 |
| - cast iron [mg] | 1 |
| - copper [mg] | 0 |
| - brass [mg] | 0 |
| - steel [mg] | 0 |
| - solder [mg] | 0 |
| pH value | 8.5 |
| Reserve alkalinity, M/10 HCl [ml] | min. 9.1 |
| Water content (Karl Fischer) [mass %] | max. 5 |
| Refractive index at 20 °C | 1.432 |
| Boiling point [°C] | min. 163 |
| Freezing point (1:1 distilled water) [°C] | max. -36 |
| Hamutartalom (autochemic) [mass %] | max. 5 |

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

Should be stored in its original packaging with airproof sealing, separately from foods, in a place protected against water and sunshine, locked away from children.

In the original container under the recommended storage conditions: 48 months

Recommended storage temperature: -13°C - +35°C