

EVOX Extra concentrate

coolant concentrate



EVOX Extra concentrate is a monoethylene-glycol based coolant concentrate, produced with an OAT silicate hybrid additive system. It is free from nitrites, amines, phosphates, and is suitable for filling the cooling systems of internal combustion engines.

The EVOX Extra antifreeze coolant concentrate 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 33-55 % (V/V). It cannot be used without being diluted!

*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 below the specified limit values.

Although EVOX Extra concentrate is compatible with most other ethylene glycol based coolants, exclusive use of it is recommended for maximum corrosion protection. Most of the coolant liquids are carefully balanced blends of various corrosion inhibitors. Mixing of coolant liquids containing different corrosion inhibitors could reduce the corrosion protection effect.

Our operating tests indicate that EVOX Extra concentrate can be used in the cooling systems of high performance Caterpillar diesel engines without any problems.

Dilution data:

Conc. (%)	Water (%)	Freeze protection	Viscosity at 0 °C	Viscosity at 80 °C
12	88	-5		
25	75	-12		
33	67	-18	3,0-5,0	0,5-0,8
50	50	-38	7,0-10,0	0,9-1,1

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

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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

Specifications and approvals

BS 6580:2010
ASTM D 3306
ASTM D 4985
AFNOR R-15-601
VW/Audi/Seat/Skoda TL 774-C (VW code G11)
Ford ESD-M97B49-A
MAN 324 Typ NF
MTU MTL 5048
Caterpillar / Perkins
IVECO 18-1830
Case JIC-501
Deutz DQC CA-14
Cummins 85T8-2
Opel-GM GME L1301
Volvo Construction 128 6083/002
Volvo Trucks 128 6083/002

Properties

Properties	Typical values
Appearance	blue
Density at 15°C [g/cm ³]	1,130
Flash point (Cleveland) [°C]	128
pH value	7,2
Refractive index at 20 °C	1,4338
Freezing point (1:2 distilled water) [°C]	-19
Boiling point [°C]	174
Water content (KF) [mass %]	3,0
Alkalinity [ml 0,1M HCl/10 ml]	17,5

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

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Ordering information

Custom Tariff Number 38200000

SAP code and packaging:

19002741	EVOX Extra concentrate 1L	1 l plastic bottle
19002762	EVOX Extra concentrate X10L	10 l plastic can
19002768	EVOX Extra concentrate 65KG	60 l steel drum (for order only)
19002767	EVOX Extra concentrate 220KG	216.5 l steel drum

Order booking:

Please contact your local distributor or sales partner for ordering details.