

EVOX Premium concentrate

coolant concentrate



EVOX Premium concentrate is a monoethylene-glycol based, pink coloured coolant concentrate, produced with organic additive technology (OAT). It is free from nitrites, amines, phosphates, borates and silicates, and is suitable for filling the cooling systems of internal combustion engines. EVOX Premium concentrate can be mixed with other monoethylene-glycol and monopropylene-glycol based antifreeze coolants without limitation. EVOX Premium 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 33-50 % (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 to below the specified limit values. Dilution data:

Conc.(%)	Water (%)	Freeze protection	Viscosity	
			at 0 oC	at 80 oC
33	67	-18	5,0 - 6,0	0,6 - 0,8
40	60	-25		
50	50	-37	8,0-10,0	0,9-1,1
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

DTR 29C110 (ex MB 325.3)
MAN 324 Typ SNF
DAF 74002
BS 6580:2010
ASTM D 3306
ASTM D 4985
ASTM D 6210
Saab B 040 1065
VW/Audi/Seat/Skoda G12 (TL 774-D)
VW/Audi/Seat/Skoda G12+ (TL 774-F)
MB 326.3
Ford WSS-M97B44-D
MAN Diesel & Turbo SE
MAN D36 5600
TEDOM
CNH MAT 3624
MTU MTL 5048
Fendt
Caterpillar 0199-99-2091/12.
Caterpillar MAK A4.05.09.01
Caterpillar GCM34
Cummins CES 14603
Cummins CES 14439
Cummins IS series u N14
Mack 014 GS 17009
Jenbacher TI 1000-0201
MWM 0199-99-2091/12
Detroit DFS93K217
Fiat 9.55523
Isuzu
Mitsubishi MHI
Hitachi
Liebherr MD1-36-130
Deutz DQC CB-14
Jaguar CMR 8229
STJLR 651.5003
Wartsila 32-9011
SKODA 61-0-0257
SACM Diesel DLP799861
Kobelco
Komatsu 07.892 (2009)
Van Hool
Valtra
Claas
Detroit Diesel Power Cool Plus
Deutz 0199-99-1115/6
Foton Q-FPT 2313005-2013
GM 6277M
John Deere JDMH5
Renault 41-01-001/-S Type D
Volvo Trucks
Volvo Trucks 128 6083/002
Waukesha

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Properties

Properties	Typical values
Appearance	pink, bright, clear
Density at 20 °C [g/cm ³]	1,113
Flash point (Cleveland) [°C]	128
pH value	8,9
Alkalinity [ml 0,1M HCl/10 ml]	6,0
Water content (Karl Fischer) [mass %]	3,1
Refractive index at 20 °C	1,4320
Boiling point [°C]	180

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 airtight 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