



TECHNICAL SPECIFICATIONS



EKO ANTIFREEZE Engine coolant concentrate

PRODUCT DESCRIPTION

EKO ANTIFREEZE is an ethylene glycol based engine coolant concentrate. Contains a carefully selected additive package free of ingredients like amines, nitrites and phosphates, which could lead to deposits build up. It is suitable for both gasoline and diesel vehicles. Effectively protects the vehicle's cooling system from rust and corrosion throughout the year, while at the same time ensures protection against freezing and boiling.

EKO ANTIFREEZE is concentrated and should be diluted with deionized water prior to use. Provides effective protection against freezing and boiling, compatibility with the elastomers, effective lubrication of the water pump, compatibility with all antifreezes of similar type and stability in solutions with water of increased hardness. For sufficient anti-rust and anti-corrosion protection, EKO ANTIFREEZE should be used in at least 33% aqueous solution. Mixtures with higher concentrations, up to 50% v/v EKO ANTIFREEZE in water, offer frost protection at lower temperatures. It is recommended to change EKO ANTIFREEZE once a year and in the meantime, regular checks for topping up must be performed.

SPECIFICATIONS

ASTM D 3306, SAE J1034, British Standard BS 6580, AFNOR NF R15-601.

FROST PROTECTION

PARTS OF WATER	PARTS OF EKO ANTIFREEZE	EKO ANTIFREEZE (% v/v)	min OPERATION TEMPERATURE
2	1	33%(% v/v)	-17°C
1	1	50%	-36°C

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support,
Tel. + 30 210 5509 511, +30 210 7725 418.
For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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TYPICAL PROPERTIES

PROPERTY	METHOD	UNITS	EKO ANTIFREEZE
Appearance	VISUAL		Clear liquid
Colour	VISUAL	-	green
Amine, phosphate, nitrite content			Nil
Density @ 20°C	ASTM D 4052	g/ml	typ. 1,142
Equilibrium Reflux Boiling Point	ASTM D1120	°C	161
Reserve Alkalinity	ASTM D 1121	ml 0,1N HCL	typ. 21,0
Freezing Point, 50% dilution by volume	ASTM D 1177	°C	typ. -37
pH (50 volume per cent aqueous solution)	ASTM D1287	-	typ. 8,3
Foaming Characteristics @ 88°C,	ASTM D1881		
<i>Height</i>		ml	20
<i>Breaktime</i>		seconds	1

SPECIAL INSTRUCTIONS

Suitable for both gasoline and diesel engines. Concentrated - should be diluted prior to use. For maximum anti-corrosion protection you should always use deionized water for the dilution. For suitable dilution proportion, always consult the vehicle's handbook. Avoid mixing different brands, as they may be incompatible.

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