

Product Information

AVENO Antifreeze A12 EVO

0002-400004



Description

AVENO Antifreeze A12evo is a modern, ethylene glycol-based coolant of the latest generation. It offers optimum protection against frost, corrosion and overheating. The special formulation with organic corrosion inhibitors (OAT technology) in combination with silicates (Si-OAT) ensures a particularly long service life and effective protection for all metal components, especially aluminum alloys in state-of-the-art engines. The product meets the requirements of many leading vehicle manufacturers and is ideal for use in hybrid and electric vehicles as well as modern combustion engines. Note: AVENO Antifreeze A12evo should not be mixed with conventional silicate or pure OAT-based coolants to ensure optimum protection and performance.

Instructions for use

Dilution: AVENO Antifreeze A12evo must be mixed with fresh water before use. It is recommended to use distilled or deionized water to avoid deposits and limescale formation. Compatibility: Suitable for modern cars, trucks, hybrid and electric vehicles. The cooling system should be thoroughly flushed before changing. Change intervals: Observe the change intervals and requirements in accordance with the vehicle manufacturer's specifications.

Mixing Table		
Frost protection up to approx.	Proportion of frost protection	Proportion of water
-12	25%	75%
-20	35%	65%
-40	50%	50%
-50	60%	40%

Recommendation	
<ul style="list-style-type: none">• ASTM D3306• ASTM D4985• ASTM D6210• BMW LC-87• BS 6580:2010 (GB)• Cummins CES 14603• CUNA NC 956-16 (Italien)• Deutz DQC CC-14• DTFR 29C100 (MB 325.0)• DTFR 29C120 (MB 325.5)• Fiat 9.55523• Ford ESD-M97B49-A• IVECO 18-1830• JIS K 2234 (Japan)	<ul style="list-style-type: none">• VW TL 774-L (entspricht G12evo)• Liebherr LH-01-COL3A• MAN 324 NF• MAN 324 Si-OAT• MB 325.0 (Konzentrat)• MB 325.5• MB 325.6• MTU MTL 5048• O Norm V 5123 (Österreich)• SAE J1034• Scania TB 1451• VOLVO TR 1286083• VOLVO TR-31854114-002• VOLVO VCS-2

Properties	
<ul style="list-style-type: none">• Provides extended service life and excellent corrosion protection.• Ideal for modern cooling systems, including aluminum alloys and mixed metal constructions.• Free from nitrites, amines and phosphates, which increases environmental compatibility.	<ul style="list-style-type: none">• Effective protection against frost down to -37 °C (with 1:1 mixture).• Meets the highest international standards and requirements of leading vehicle manufacturers.

Technical specifications			
Properties	Data	Unit	Testing under
Appearance	PINK		VISUELL
Density at 15°C	1128	kg/m³	DIN EN ISO 12185:2024-06
Flash Point (COC)	>110	°C	
Freezing Point	-38	°C	ASTM D 1177
Boiling Point	178.9	°C	ASTM D 1120
pH-Value at 20°C (50 Vol %)	7.5-8.5		ASTM D 1287
Reserve alkalinity	>10	ml0,1nHCL	ASTM D 1121
Water content	<4	Gew. %	ASTM D 1123