

# 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 water before use. Recommended mixing ratios: 1:1 (50% antifreeze, 50% water) for frost protection down to approx. -37 °C. 1:2 (33% antifreeze, 67% water) for antifreeze protection down to approx. -20 °C. 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.

### Recommendation

- 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)
- 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

- 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.
- 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/m <sup>3</sup>	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