

# 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"><li>• ASTM D3306</li><li>• ASTM D4985</li><li>• ASTM D6210</li><li>• BMW LC-18</li><li>• BMW LC-87</li><li>• BMW LC-97</li><li>• BS 6580:2010 (GB)</li><li>• Cummins CES 14603</li><li>• CUNA NC 956-16 (Italien)</li><li>• Deutz DQC CC-14</li><li>• DTFR 29C100 (MB 325.0)</li><li>• DTFR 29C120 (MB 325.5)</li><li>• Fiat 9.55523</li><li>• Ford ESD-M97B49-A</li><li>• IVECO 18-1830</li></ul>	<ul style="list-style-type: none"><li>• VW TL 774-L (entspricht G12evo)</li><li>• JIS K 2234 (Japan)</li><li>• Liebherr LH-01-COL3A</li><li>• MAN 324 NF</li><li>• MAN 324 Si-OAT</li><li>• MB 325.0 (Konzentrat)</li><li>• MB 325.5</li><li>• MB 325.6</li><li>• MTU MTL 5048</li><li>• O Norm V 5123 (Österreich)</li><li>• SAE J1034</li><li>• Scania TB 1451</li><li>• VOLVO TR 1286083</li><li>• VOLVO TR-31854114-002</li><li>• VOLVO VCS-2</li></ul>

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

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