



## DESCRIPTION

The state-of-the-art formulation, with antifoam and anti-corrosion additives, prevents the forming of incrostations inside the cooling circuit, even when hard water is present.

## PROPERTIES

This is an antifreeze with an ethylene glycol-based formulation and corrosion-inhibiting additives that protect the cooling system. It is characterized by an inhibitor package that is free of amines, nitrites, phosphates, borates, and silicates.

## ADVANTAGES

- protects the system against the effects of wear on gaskets, sleeve valves, radiator, and pumps;
- excellent resistance to hard waters (CUNA NC 956-16);
- compatible with elastomers and metals used in the system;
- high protection against corrosion of metal materials used in the cooling system;
- better heat transmission and thermal stability at system operating temperatures.

## APPLICATIONS

The product is used in car, truck, and bus radiators.

## APPROVAL

The product meets the following NATIONAL AND INTERNATIONAL STANDARDS: ASTM D 3306 - SAE J 1034; ASTM D 4985 - SAE J 1034; CUNA NC 956-16; B.S. 6580; FK Heft R 443(D); JIS K 2234 (j); UNE 26361-88 (E); Afnor R 15/601 (F); KSM 2142 (K); EMPA (CH); NATO S 759; E/L 1415c (MIL Italy); VW/Audi/Seat/Skoda TL 774 D; MAN 324; Volvo (Reg. N° 260); Ford WSS-M97B44-D

Parameter	Value	U.M.	Limits	Method
Specific weight	1,115-1,125	Kg/l		ASTM D 1122
Reserve alkalinity	5 min			ASTM D 1121
Boiling point	165	°C	163	ASTM D 1120
Boiling point 50-50	108	°C	108	ASTM D1120
Freezing point 50-50 solution	-38	°C	-37	ASTM D1177
Ash content	2,5 max	%	5 max	ASTM D1119

November 28, 2013



# ANTIGELO W

ANTIFREEZE FOR ENGINE COOLING SYSTEMS

TECHNICAL  
BULLETIN

Version 1.1

Nov

## **FREEZE PROTECTION**

<b>10</b>	<b>% Vol</b>	<b>-4</b>
<b>20</b>	<b>% Vol</b>	<b>-9</b>
<b>30</b>	<b>% Vol</b>	<b>-17</b>
<b>40</b>	<b>% Vol</b>	<b>-26</b>
<b>50</b>	<b>% Vol</b>	<b>-38</b>

## **CORROSION TEST IN GLASSWARE ASTM D1384 METHOD (WEIGHT LOSS MG/SAMPLE)**

<b>METALS</b>	<b>ASTM D 3306 LIMITS</b>	<b>VALUES</b>
<b>Copper</b>	<b>Max 10</b>	<b>0.6</b>
<b>Solder</b>	<b>Max 30</b>	<b>2.1</b>
<b>Brass</b>	<b>Max 10</b>	<b>0.8</b>
<b>Steel</b>	<b>Max 10</b>	<b>- 0.1</b>
<b>Cast iron</b>	<b>Max 10</b>	<b>- 0.1</b>
<b>Aluminum</b>	<b>Max 30</b>	<b>2.3</b>

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