

## Coolant

# XCL G12/G12+ ANTIFREEZE

### DESCRIPTION

Latest generation antifreeze formulated from organic OAT technology (Organic Acid Technology), based on mono-ethylene glycol and passivation additives. It provides long-lasting aluminum protection against heating, cavitation and corrosion at high temperatures. BARD AHL XCL G12/G12+ antifreeze is free from silicate and nitrite, and limits cloudiness, deposits and precipitates.

### APPLICATION

It is necessary to dilute this product for proper use. The dilution must be done with demineralized water (ideal resistivity of 1-10 MOhms.cm).

Recommended for the last generation engines. Cannot be mixed with traditional mineral-based formulas. The formulation is particularly suitable for VOLKSWAGEN, AUDI and SKODA engines. BARD AHL XCL G12/G12+ antifreeze meets most of manufacturer specifications that require OAT technology.



### SPECIFICATIONS

This product offers the following performance level:

VW, AUDI, SKODA	TL-774 D (G12) et F (G12+)
FORD	WSS-M97B44-D
MB	326.3
RENAULT	41-01-001 Type D
GM	6277M
MAN	324 type SNF
MAZDA	MEZ MN 121 D
VOLVO	OAT
CLAAS	OAT

DEUTZ	0199-99-115
JOHN DEERE	JDM H5
KOMATSU	07.892 (2009)
DAF	74002
FIAT-LANCIA	9.55523
JAGUAR	CMR 8229
ASTM	D3306 / D4656 / D4985
BS	6580 :1992
NF	R15601 sauf réserve alcalinité
AS	2108
SAE	J-1034
FFV	Heft R443
CUNA	NC 956-16
UNE	26361-88
NATO	S-759

## PROPERTIES

- Long-lasting action.
- Homogeneous protective film.
- Eco-friendly. Free from borate, nitrite, amines, and phosphates.
- Very high aluminum protection.

## TECHNICAL DATA

	Antifreeze	ASTM 3306	Method
Ash content	1.1 %w/w typ	5% w/w max	ASTM D1119
Water content	5% max	5% w/w max	ASTM D1123
Colour	Pink		
Density, 20°C	1.113		ASTM D 5931
Boiling point	Typ>180	>163°C	ASTM D1120
Alkalinity reserve (pH 5.5)	6.2	report	ASTM D1121
pH at 20°C	8.6	7.5 à 11	ASTM D1287
Refractive index, 20°C	1430		ASTM D1218
Freezing point 40%v/v	-30°C (-27°C)		ASTM D1177



## TECHNICAL DATA SHEET V082021

Freezing point 50%v/v	-40°C	<-35°C	ASTM D1177
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The information contained in this sheet is provided for reference only. Because of continual product development, changes may occur without prior notice. No liability for damages caused by the incompleteness or incorrectness will be accepted.

### RECOMMENDATIONS

**Handling :** any safety information related to the handling and use of this product are gathered in the Safety Data Sheet.

Always check the manufacturer car manual before use.

**Storage :** it is recommended to use the product within 36 months. It should be stored in its original packaging, closed, and protected from light, humidity and excessive temperature.

### REFERENCES & AVAILABILITIES

7111R	12x1L
7113R	3x5L
7115R	20L
7118R	200L
7119R	1000L



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