



ANTIFREEZE G11 CONCENTRATE

DESCRIPTION ANTIFREEZE G11 CONCENTRATE for cooling of petrol and diesel engines of modern cars, bus and trucks with more aluminum parts. Suitable for electric vehicles. It is a concentrated monoethylene glycol-based coolant in combination with the Inorganoc Additive Technology (IAT). Is free of nitrites, amines and phosphates (NAP free).

APPLICATION Recommended replacement interval: for passenger cars each 120 000 km., or every 3 years. Before placing it into vehicle system, it should be diluted with deionized or demineralized water to the desired concentration. The proportions are indicated in the table:

Dilution (vol.)	Concentrate	Water	Frost protection
2:1	67%	33 %	-55°C
1:1	50%	50%	-37°C
1:2	33%	67%	-25°C

- SPECIFICATIONS**
- BS 6580
 - AFNOR R 15/601
 - SAE J 1034
 - JIS K 2234
 - CUNA NC 956-16
 - UNE 26-361
 - ASTM D 3306.
 - Porsche/Volkswagen/Audi/Seat/Skoda TL 774 C
 - MAN 324 Type NF
 - Deutz DQC CA-14
 - Fiat/Lancia/Alfa Romeo 9,55523
 - Chrysler MS-7170
 - Iveco 18-1830
 - Ford ESD-M97B49-A
 - GM-Opel GME L1301
 - Saturn
 - JI Case JIC-501
 - MTU MTL 5048



TYPICAL PROPERTIES	• Appearance	Transparent liquid free of mechanical impurities	Visual
	• Color	Green- blue	Visual
	• Density at 20 °C	> 1 g/cm ³	ASTM D 4052
	• Freezing point (1:1)	< -36°C	ASTM D 1177
	• Boiling Point	>165°C	ASTM D 1120
	• pH (1:1)	7,5-11,0	ASTM D 1287
	• Reserve alkalinity (0,1 HCl/10 ml)	≥ 11 ml	ASTM D 1121
	• Foaming characteristics at 88 °C	< 35 ml / 2 s	ASTM D 1881

ANTICORROSION PROPERTIES ASTM D1384 Glassware Corrosion Test Results:

	Weight Loss mg/ Coupon					
	Copper	Solder	Brass	Steel	Cast Iron	Aluminum
ASTM D3306, max	10	30	10	10	10	30
Typical	2	2	4	2	1	3

ASTM D 4340 Aluminum Corrosion under heat rejecting conditions:

	Weight Loss mg/ cm ² /week
ASTM D 3306, max	1,0
Typical	-0,1

COMPATIBILITY WITH OTHER COOLANTS Most coolants contain a balanced compound of corrosion inhibitors. You may affect anticorrosion protection by mixing coolants with different inhibitors. Storage temperature: -30°C to +35 ° C. Avoid direct sunlight!