

## Gazpromneft Antifreeze SF12+

High Performance Antifreeze

**Gazpromneft Antifreeze SF12+** is extra high performance coolant made of ethylene glycol. The Organic Acid Technology (OAT) formula gives outstanding protection against frost, corrosion and overheating for engines of both ferrous and aluminum construction. Gazpromneft Antifreeze SF12+ is free of nitrites, amines, phosphates, silicates and borates. Concentrated antifreeze formula needs to be diluted prior to be used.

### Applications

- Car, truck and bus engines of both ferrous and aluminum construction
- Gazpromneft Antifreeze SF12+ Concentrate must be diluted prior to be used as recommended by vehicle manufacturer (see dilution chart).
- For preparation of the coolant it is recommended to use distilled or deionized water. Tap water can be used when not excessively hard.

### Dilution Chart

Antifreeze concentrate/Water, v/v%	Freeze protection
33/67	-20°C
50/50	-40°C
66/34	-65°C

### Meets the requirements:

- ASTM D3306
- ASTM D4985
- BS 6580
- SAE J1034
- AFNOR NF R 15-601
- MAN 324 Type SNF (approved)
- VW TL-774 F (G12+)
- Ford WSS-M 97B44-D
- GM 6277M
- Opel B040 1065
- MB 325.3
- MTU MTL 5048

### Typical Characteristics

Properties	Method	Gazpromneft Antifreeze SF12+
Color	visually	red
Density @20°C, g/cm <sup>3</sup>	ASTM D1122	1,105 - 1,115
Refractive Index @20°C	DIN 51423-2	1,425 - 1,435
Boiling point (Concentrate), °C	ASTM D1120	160
Boiling point (50% volume solution), °C	ASTM D1120	108
Reserve Alkalinity, ml HCl	ASTM D1121	4,0 - 5,0
pH (33% volume solution)	ASTM D1287	7,8 – 8,5
Foaming characteristics (33% volume solution)	ASTM D1881	max.30ml/max.2s
Freezing Point (50% volume solution), °C	ASTM D1177	-36 ÷ -38
Water Content, wt%	ASTM D1123	max.3

### Available type and size

G-Energy Antifreeze SF12+	Concentrate (needs to be diluted prior to be used)	1kg, 220kg, 1000kg
G-Energy Antifreeze SF12+ 40	Ready to use product that has been premixed with concentrate and water to obtain -40°C freezing point	1kg, 5 kg, 10kg, 220kg, 1000kg

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.