

## TECHNICAL SPECIFICATION

**PRODUCT NAME: GLICAR G13 Concentrate**

<b>PRODUCT DESCRIPTION</b>
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**Glicar G13 Concentrate** - high-quality, glycerine-free concentrated car radiator agent based on monoethylene glycol (MEG), characterized by high-performance parameters. Effectively protects the metals of the cooling system against corrosion and ensures long-term durability of the rubber elements thanks to an effective set of anti-corrosion additives, antioxidants, stabilizers and anti-foaming agents. It is intended for use in the engine cooling systems of passenger cars, delivery vans, trucks and buses, construction machines, military equipment, agricultural tractors and stationary engines fitted with both brass (copper) brazed and aluminium coolers. Ensures protection of the engine cooling system for a period of 5 years or 250 000 km of continuous use.

The product is compliant with the following standards: PN93/C-40008-10;PN-C-40007;ASTM D 5931-13;ASTM D 1287-11;PN 93/C-40008-05;PN-C-4008-06:1993/AZ 1:2000 The product meets the requirements of the Audi/Skoda/VW/Seat TL 774 J, ASTM D 3306, BS 6580:2010

Before use, it must be diluted with demineralized water.

The concentrate, after dilution with demineralized water 1:1, meets the requirements for antifreeze for cooling systems of combustion engines of all manufacturers.

### Properties

Type of glycol	monoethylene glycol
Concentration	93÷95%
Colour	According to the dye
Formulation	Homogeneous liquid without sediment
Smell	Weak or no odour
pH	7,5÷11 (50% concentrate + 50% water)
Alkaline Reserve	Not lower than 8
Density at 20°C	1,100÷1,120 g/cm <sup>3</sup>
Boiling Point	>100°C
Crystallisation temperature	- 36°C (50% concentrate + 50% water)
Expiry date	60 months (5 years without replacement)

*The given physical and chemical parameter values are the typical values.*

### GLI-THERM Sp. z o.o. MANUFACTURER'S DECLARATION.

The manufacturer of the product in question guarantees that the composition of the product shall remain unchanged.