



# SPECIAL RADIATOR G13



## DESCRIPTION

RADIATOR G13 is an ultra-high performance antifreeze fluid of long life capabilities, based on an organic/inorganic inhibitors, monoethylene glycol (MEG)-based technology. It ensures long life protection to the engine against freezing, boiling and corrosion, by protecting all known metals (incl. aluminium and ferrous alloys) thanks to its very high performance additive technology. Completely free of nitrite, amine, phosphate, and borate compounds, it is an environmentally-friendly product, fully compatible with engine gaskets and seals, as well as will almost all MEG-based antifreeze products of VW G12++, G12+, G12 and G11 quality level.

## APPLICATIONS

RADIATOR G13 meets the requirements of VW Group's TL 774J (G13) specification, where it is the OEM requirement. The product must be diluted, preferably, with distilled or de-ionized water. To achieve the minimum possible anti-corrosion protection, a 33% dilution is the minimum requirement. Maximum anti-frost protection at -69°C is achieved with a 68% dilution. Concentrations of less than 33% and more than 70% are not recommended. **Not to be used in potable water systems.**

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	APPLICATION TABLE										
Long life corrosion and frost protection in all modern engines including aluminum and ferrous alloys; extends life of engine and makes maintenance simpler.	<table border="1"><thead><tr><th>Ποσοστό αντιψυκτικού</th><th>Προστασία έως...</th></tr></thead><tbody><tr><td>35%</td><td>-20 °C</td></tr><tr><td>53%</td><td>-40 °C</td></tr><tr><td>58%</td><td>-50 °C</td></tr><tr><td>68%</td><td>-69 °C</td></tr></tbody></table>	Ποσοστό αντιψυκτικού	Προστασία έως...	35%	-20 °C	53%	-40 °C	58%	-50 °C	68%	-69 °C
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Keeps surfaces clean improving heat transfer properties.											
Protection of the aluminium water pump against corrosion and erosion on cavitations problems.											
Compatible with G12++, G12+, G12 and G11.											
Environmentally-friendly formulation free of nitrites, amines, phosphates, and borates.											

## PHYSICAL-CHEMICAL CHARACTERISTICS

RADIATOR G13	METHOD	
Density at 20°C, g/cm <sup>3</sup>	ASTM D5931	1,132
pH, 33% vol.	ASTM D1287	8,7 8,3
Boiling point, °C	ASTM D1120	170
Reserve alkalinity, ml HCl 0.1N (pH 5.5)	ASTM D1121	5.7
Color	-	Magenta

The abovementioned characteristics represent mean values.

## SPECIFICATIONS

BS 6580; ASTM D3306; VW TL-774J

Reference/Part numbers: VW G 013 A8J 1G, G 013 A8J M1; Daimler 000 989 28 25, 000 989 28 25 11; Porsche 000 043 301 47