



Product Name: KÜHL G11 Coolant & Anti-Freeze (Green / Blue)

Application: Suitable for radiators in gasoline and diesel engines requiring G11-type IAT coolant.

Product Overview

KÜHL G11 is a high-quality, ethylene glycol-based radiator coolant formulated with **Inorganic Additive Technology (IAT)**. It offers reliable long-term protection against freezing, overheating, corrosion, and scaling in cooling systems. G11 is particularly recommended for older-generation engines that use cast iron, copper, and aluminum components. The formulation is **free from nitrites, amines, and phosphates (NAP-free)**, ensuring compatibility with European and Asian vehicle cooling systems.

Application

- KÜHL G11 is suitable for use in gasoline and diesel internal combustion engines where G11-type (TL 774-C) coolants are specified.
- For older-generation engines requiring G11 IAT coolant protection

Performance Benefits

- Excellent corrosion protection for aluminum, copper, brass, and cast iron components
- High boiling point and freeze protection for year-round performance
- Effective against scale and deposits, improving heat exchange efficiency
- Long service life up to 3 years or 100,000 km
- Low-foam, stable formulation for high-speed and heavy-duty circulation systems
- Mixable with other G11 (TL 774-C) coolants

Meets and Approvals

- VW TL 774-C (G11)
- MAN 324 NF
- Mercedes-Benz MB 325.0
- Porsche TL 774-C
- Opel QL130100
- SAE J1034 / ASTM D3306 / BS 6580:2010

Typical Properties

Property	Method	Typical Value
Appearance	Visual	Clear Green or Blue
Density @ 20°C	ASTM D1122	1.120 – 1.130 g/cm ³
pH (33% vol in water)	ASTM D1287	7.8 – 8.5
Boiling Point (undiluted)	ASTM D1120	≥ 165°C
Freezing Point (50:50 diluted)	ASTM D1177	-36°C
Reserve Alkalinity (RA)	ASTM D1121	≥ 6.0 mL
Ash Content	ASTM D1119	≤ 5.0%





Water Content	ASTM D1123	≤ 5.0%
Foam Test (ml / sec)	ASTM D1881	< 50 ml / < 5 sec
Compatibility with Hard Water	ASTM D1126	Pass
Corrosion Test (Glassware)	ASTM D1384	Pass (No weight loss)
Cavitation Test (Simulated)	ASTM D2809	8+ rating

Dilution Chart

Coolant : Water	Freeze Protection	Boiling Point
33:67	-18°C	~104°C
50:50	-36°C	~107°C
60:40	-52°C	~110°C

Note: Use only deionized or distilled water. Do not exceed 70% concentration.

Storage and Handling

- Store in closed containers at temperatures between 5°C – 35°C
- Protect from frost, heat, and direct sunlight
- Shelf Life: **5 Years** in sealed original container
- Avoid contact with skin and eyes
- Keep out of reach of children.

