

ALPINE® C11

Coolant

Properties

ALPINE C11 is an economical radiator corrosion and antifreeze concentrate for water-cooled vehicle engines. It does not contain nitrite, amine and phosphate. **ALPINE C11** offers year-round frost and corrosion protection for perfect operation. The coolant has no negative influence on coolant hoses or cylinder head gaskets.

Application notes

ALPINE C11 mixed with the corresponding quantity water (distilled water) is used as a coolant and heat transfer fluid in modern combustion engines, whether engines made of cast iron, aluminium or a combination of both metals. **ALPINE C11** is especially recommended for light metal engines where special aluminium protection is required at higher temperatures. An application concentration of 50 vol.% is recommended all year round.

Caution: Observe manufacturer's instructions.

Service description

Corresponds to:

- ASTM D 3306
- SAE J 1034
- AS 2108-2004
- AFNOR NF R15-601
- BS 6580:2010

ALPINE C11 parts	Water parts	Anti-frost up to:
1	2	-18°C
1	1,5	-24°C
1	1	-36°C

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE C11
Density at 20°C	ASTM D 4052	g/cm ³	1.12
Reserve alkalinity (pH 5.5)	ASTM D 1121	ml 0,1 n HCl	21.5
Boiling point	ASTM D 1120	°C	>160
pH value	ASTM D 1287	-	7.5 - 9
Flash point	ASTM D 92	°C	>111
Antifreeze at 50 vol.%	ASTM D 1177	°C	- 36
Colour	-	-	yellow/ blue/ green

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.