

ALPINE® C048

Coolant

Properties

ALPINE C048 is a radiator protection based on ethylene glycol, free of potentially harmful substances such as nitrites, amines and phosphates. Due to an optimal combination of inhibitors based on carboxylic acid technology as well as silicates and borates (hybrid coolant), **ALPINE C048** guarantees powerful and long-lasting corrosion protection for extended coolant life. Further additives prevent the coolant from foaming, provide the right cavitation protection and prevent deposits.

ALPINE C048 offers year-round, maintenance-free frost and over-heating protection due to a higher boiling point. The coolant has no negative influence on coolant hoses or cylinder head gaskets.

Application notes

ALPINE C048 mixed with the corresponding quantity (distilled) water is used as a coolant and heat transfer fluid in combustion engines, without restriction whether engines are made of cast iron, aluminium or a combination of both metals and in cooling systems made of aluminium or copper alloys.

An application concentration of 50 vol.% is recommended all year round.

Mixing **ALPINE C048** with other radiator protection agents or products of other manufacturers is not recommended.

Caution: Observe manufacturer's instructions.

Service description

Recommendation*:

- BMW GS 94000
- Chrysler MS7170
- Deutz DQC CA-14
- GM B 040 0240, GM Europe L1301
- MAN 324 Typ NF
- MB 325.0
- MTU MTL 5048
- VW TL 774 C

Specifications:

- ASTM D 3306 / 4985 / 6210
- AFNOR NF R15-601
- BS6580 (2010)
- JIS K2234
- SAE J 1034

Parts ALPINE C048	Parts water	Anti-frost up to:
1	2	-18°C
1	1,5	-24°C
1	1	-36°C

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

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TYPICAL PARAMETERS	METHODS	UNITS	ALPINE C048
Density at 20°C	DIN 51 757	g/cm ³	1.123
Reserve alkalinity (pH 5.5)	ASTM D 1121	ml 0,1 n HCl	15
Boiling point	ASTM D 1120	°C	170
pH value	ASTM D 1287	-	8.0
Flash point	DIN EN ISO 2592	°C	>120
Antifreeze at 50 vol.%	ASTM D 1177	°C	- 36
Colour	-	-	blue-green

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