



APPLICATIONS

Eni Antifreeze Spezial 12++ is an amine, phosphate and nitrite free engine coolant based on ethylene glycol. It contains a corrosion inhibitor package based on salts of organic acids and silicates (Si-OAT). It protects all metallic parts against corrosion and deposits in the cooling system.

CUSTOMER ADVANTAGES

- The product protects all parts of cooling system from frost, oxidation and overheating.
- It has long-term protection against corrosion for all materials used in the engine and radiator construction, such as cast iron, aluminium, copper and solder alloys as well as a good compatibility with hoses, seals or plastics.
- It contains carefully selected amine, nitrite, boron and phosphate free inhibitors and is therefore environmentally friendly.

SPECIFICATIONS & APPROVALS

- O-Norm V 5123
- ASTM D 3306
- BS 6580:2010
- AS 2108-2004
- SAE J1034
- CUNA NC 956-16
- JIS K 2234:2006
- SANS 1251:2005
- China GB 29743-2013
- VW/Audi/Seat/Skoda/Lamborghini/Bentley/Bugatti TL 774-G
- Porsche from MY 1996
- MB-Approval 325.5
- MB 325.6
- MAN 324 type Si-OAT
- Cummins CES 14603
- MTU MTL 5048
- Liebherr Minimum LH-01-COL3A
- Deutz DQC CC-14



Eni Antifreeze Spezial 12++



- IRIZAR, S. COOP from Sep. 2016
- ASTM D 4985

CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	-	-	clear
Colour	-	-	red-violet
Density at 20°C	DIN 51757-3	kg/m ³	1125
pH	ASTM D 1287	-	8.4
Boiling point	ASTM D 1120	°C	165

WARNINGS

- Mixture with other coolants is not advised.
- Please observe carefully manufacturer's specification on product.

HANDLING INFORMATION

- The product has to be diluted with water before use. Best working conditions are obtained by diluting with good quality water in a 33 - 60% range by volume.
- Distilled or demineralised waters suggested. Tap water can be used but the water hardness shall not exceed 30°f.
- Freezing and boiling point of the coolant depend on the concentration of the product in water:

Volume %	Freezing Point (° C)	Boiling Point (° C)
33	-18 max	104 min
50	-37 max	108 min

