



Special products for motor vehicles

FAM ANTIFRIZ[®] LONG LIFE G12/G12+

FAM ANTIFRIZ[®] LONG LIFE is coolant made of monoethylene glycol and new technology (OAT) corrosion inhibitor package. The product is based on organic acid salts, without silicates, amines, nitrites and phosphates.

ADVANTAGES

- Extended protection period – up to 5 years
- Excellent protection against all types of corrosion for all elements of the cooling system
- Efficient protection against the formation of deposits in the cooling system
- Excellent protection against corrosion of parts made of aluminum alloys
- Good compatibility with hard water
- Excellent compatibility with elastomers

QUALITY LEVEL

SRPS H.Z2.010, OAT		Renault RNUR	41-01-001/- -S Type D
ASTM Standards	ASTM D 3306/4656/4985/6210	Cummins	IS series u N 14
ASTM Standards	ASTM D 4985	Wartsila	32-9011
British Standards	BS 6580	Mercedes-benz	325.3
French Standards	NFR 15-601	VW/Audi/Škoda/Seat	TL 774 F/D G12+/G12
FVV Standards	FVV Heft R443	Volvo	014 GS 17009
Japanese Standards	JIS K 2234	MTU	MTL 5048
Japanese Standards	JASO M325	MAN	324 Typ SNF
Korean Standards	KSM 2142	Komatsu	07.892(2009)
MIL Standards	BT-PS-606 A	FORD	WSS-M97B44-D/E
MIL Standards	DCSEA 615/C	MAZDA	MEZ MN 121D
MIL Standards	E/L-1415b	Jaguar	CMR 8229
MIL Standards	FSD 8704	Jaguar	WSS-M97B44-D
NATO Standards	NATO S-759	Land-Rover	WSS-M97B44-D
SAE Standards	SAE J 1034	Renault Trucks	41-01-001/- -S Type D
UNE Standards	uNE 26-361-88/1	Volvo Trucks	128 6083 / 002
Opel - GM	GM 6277M (+B040 1065)	Wärtsilä	32-9011
Opel - GM	GMW3420	John Deere	JDMH5
Saab	GM 6277M (+B040 1065)	DAF	74002

APPLICATION

FAM ANTIFRIZ[®] LONG LIFE is used for filling open and closed cooling systems of internal combustion engines. It can also be used in other heat transfer systems by circulation. It serves to protect cooling systems from freezing in winter and boiling in the summer period and provides long-term protection against corrosion. It contributes to better energy exchange with the heating element, scale deposits are not formed in the installation, it facilitates fluid circulation through the system and ensures smooth operation of the pumps for the transport of fluid.

FAM ANTIFRIZ[®] 40 LONG LIFE is applied without dilution (ready to use), while **FAM ANTIFRIZ[®] 100 LONG LIFE** is diluted for use according to the following table:

December, 2016



FAM ANTIFRIZ 100 LONG LIFE WATER (by volume)	PROTECTION AGAINST CORROSION	FREEZING POINT °C	BOILING POINT °C
1:1 (50:50)	TOTAL PROTECTION	-37	108
1:1.5 (40:60)		-25	106
1:2 (33:66)		-18	104

It is recommended to replace the coolant after 5 years, or after 250 000 km in passenger vehicles, or after 650 000 km in buses and trucks (commercial vehicles).

TYPICAL CHARACTERISTICS

CHARACTERISTICS	FAM ANTIFRIZ 100 LONG LIFE	FAM ANTIFRIZ 40 LONG LIFE	METHODS
Appearance	Red fluorescent fluid	Red fluorescent fluid	Visual
Density at 20°C; g/cm ³	Typ. 1.113	1.06-1.08	SRPS EN ISO 3675
Temperature of crystallization for the mixture with water 1:1 (v/v) °C	Max.-37	-	SRPS H.Z8.053
Temperature of crystallization °C	-	-37	SRPS H.Z8.053
Reserve alkalinity; ml	Min.3	Min.3	SRPS H.Z8.059
Boiling point °C	Min.170	Min.108	SRPS H.Z8.058

STORAGE

Tightly-closed containers should be protected against direct sunlight and other heat sources. All necessary instructions can be found in the Safety Data Sheet. It contains details of possible hazards, warnings and first aid measures, as well as the environmental impact and the necessary measures when storing.

PACKING

The product is packaged and delivered in plastic bottles of 1L, pails of 4L, canisters of 20L and drums of 200L.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

