



EVOFREEZE XX 12 EVOX

Radiator protection, Si-OAT-coolant additive concentrate (Colour: pink/violet)

Description:

EVOFREEZE XX 12 EVOX is a premium coolant, a full concentrate based on ethylene glycol, radiator protection and heat transfer agent, for summer and winter operations, which enables a maintenance- free protection against frost, overheating and rust formation (long- life radiator protection).

EVOFREEZE XX 12 EVOX is a new modern radiator protection and heat transfer agent with high- quality corrosion additives for the engine and the cooling system which meets to current requirements of many OEM's, with organic and silicate- containing technologies complementing each other in an excellent way (Si-OAT coolant).

EVOFREEZE XX 12 EVOX is free from 2-ethylhexanoic acid, borate, phosphate, nitrite and amine.

With the correct concentration of antifreeze, vehicle test have shown that effective corrosion protection is achieved for up to 5 years or 250.000 km. It is recommended to change the radiator antifreeze after reaching the mileage or after 5 years.

Characteristics:

- Longlife radiator protection
- Improved heat transfer
- Forms a constant, homogenous protective coating
- Silicate stabilised, i.e. no gel formation or flocculation
- Suitable for mixed fleets: product for cars, trucks and construction machinery
- Kind to the environment due to an extended life cycle
- Avoidance of foaming
- Compatibility with hose and sealing materials
- Compatibility with varnishes
- Developed for high temperature engines
- High tolerance to fluxes
- Outstanding seal and material compatibility

Usage:

EVOFREEZE XX 12 EVOX is outstanding for engines made of cast iron, aluminium or a combination of both metals. It can also be used in cooling systems made from aluminium or copper.

EVOFREEZE XX 12 EVOX is particularly recommended for light metal engines which demand special aluminium protection at higher temperatures.

Recommended concentration for use 50% **EVOFREEZE XX 12 EVOX** and 50% water which gives a frost protection of -38°C. Frost protection of up to -50°C is possible with maximum 60% **EVOFREEZE XX 12 EVOX** and 40% water.

Usable for:

ASTM	ASTM D3306, D1384, D4340, D4985, D6210
AUSTRALIEN STANDARD	AS 2108-2004
BRITISH STANDARDS	BS 6580:2010
CHINA STANDARD	GB 29743-2013
CUNA	NC 956-16
FRENCH STANDARDS	NF R 15-601
FVV STANDARDS	R 530:2005
JAPANESE STANDARDS	JIS K2234: all versions
KOREAN STANDARDS	KS M 2142
MIL BELGIUM	BT-PS-606 A
MIL FRANCE	DCSEA 615/C
MIL GERMANY	TL 6850-0038
MIL ITALY	E/L-1415b
MIL NORWAY	FS 6850-0951
MIL SWEDEN	FSD 8704
NATO STANDARDS	S-759
ÖNORM	V 5123

Data are subject to change.

Attention: Service instructions should be observed!

STL/WINTER/
07/2022

POLISH STANDARD	PN-C40007:2000
SAE	J1034
SANS	1251:2005
SWISS FED. LAB	Empa 170'803
UNE	26-361-88/1
We recommend this product for:	
2G	all engines
ALFA ROMEO	from 1976 - 2005, from 2006
APRILIA	
ASTON MARTIN	
ATLAS	
AUDI	TL 774-C (G11), TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
BENTLEY	from 1980 - 2005
BENTLEY	TL-774 D, TL-774 F, TL-774 G, TL-774 J, TL 774 L (G 12 evo)
BMW	LC-87, LC-97, LC-18
BUGATTI	all models, TL-774 L (G12evo)
BYD COMPANY	
CASE NEW HOLLAND	MAT3624
CATERPILLAR	GCM34
CHEVROLET	from 2001
CHRYSLER	all models
CITROEN	from 1993
CLAAS	
CNH INDUSTRIAL	Iveco standard 18-1830
CUMMINS	85T8-2, CES 14603, CES 14439
DACIA	from 2005
DAEWOO	all models
DAF	MAT 74002
DAIHATSU	from 1979
DEUTZ	DQC CA-14, DQC CB-14, DQC CC-14
DEUTZ-FAHR	until 03/2017
DEUTZ-FAHR	from 04/2017
DODGE	from 2011
DUCATI	
EICHER ENGINES	all engines
FAUN	
FENDT	all models
FERRARI	from 1979 - 2009, from 2010
FIAT	from 1982 - 2004, from 2005
FORD	until 1997
FORD	from 1998
FORD	ESD-M97B49-A, WSS-M97B44-D, WSS-M97B57-A1
FUSO	all models
GENERAL MOTORS	GMW 3420, B 040 1065
GILERA	
GMC	all models
HINO	all models
HITACHI	
HONDA	from 1983
HONDA MOTORBIKE	
HUERLIMANN	until 03/2017
HUERLIMANN	from 04/2017
HYUNDAI	from 1982

INNIO / JENNBACHER	TA 1000-0200
IRISBUS	
IRIZAR	all models
ISUZU	
IVECO	from 01/2014, 18-1830
JAGUAR	from 1986 - 1999, from 1999
JAGUAR	CMR 8229, STJLR 651.5003, e-vehicles
JEEP	
JENNBACHER	TA-Nr. 1000-0200
JI CASE	JIC-501
JOHN DEERE	all models
KAWASAKI	
KIA	from 1991
KOBELCO	
KOMATSU	
KTM	
KYMCO	
LADA	all models
LAMBORGHINI	TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
LAMBORGHINI-TRACTORS	until 03/2017
LAMBORGHINI-TRACTORS	from 04/2017
LANCIA	from 1976 - 2005, from 2005
LAND ROVER	from 1998, e-vehicles, STJLR 651.5003
LEXUS	from 1994
LIEBHERR	all engines until 2014
LIEBHERR	all engines from 2015
LOTUS	from 1980 - 1999, from 2000
MAHLE	
MAN ENERGY SOLUTIONS	MAN 175D
MAN TRUCKS AND BUS	MAN 324 NF, MAN 324 SNF, MAN 324 Si-OAT, MAN 324 Si-OAT evo
MAZDA	from 1977
MB CARS	MB 325.0, 326.0 (Ready Mix), 325.6, 326.6 (Ready Mix)
MB TRUCK AND BUS	MB 325.0, 326.0 (Ready Mix), 325.3, 326.3 (Ready Mix), 325.5, 326.5 (Ready Mix)
MINI	BMW LC-87
MITSUBISHI	all models
MITSUBISHI (MHI)	all models
MTU	MTL 5048
MWM	all models
NISSAN	from 1982
OPEL	B 040 0240, GME L 1301
OPEL	from 1975 - 2000, from 2001
PERKINS	
PEUGEOT	from 1993
PEUGEOT MOTORBIKE	
PIAGGIO	
PORSCHE	TL 774-C (G11), TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
RENAULT	from 1995
RENAULT TRUCK	all models
ROLLS-ROYCE	from 1998, BMW LC-97, MTU - MTL 5048
ROVER	from 1982
SAAB	from 1975 - 2000, from 2001

SAAB	690 1599
SAME	until 03/2017
SAME	from 04/2017
SEAT	TL 774-C (G11), TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
SETRA	MB 325.0, 325.3, 326.3 (Ready Mix), 325.5, 326.5 (Ready Mix)
STEYER MOTORS	
SKODA	TL 774-C (G11), TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
SMART	MB 325.0
SMART	until 10/2014
SMART	from 11/2014
SUBARU	from 1977
SUZUKI	from 1981
SUZUKI MOTORBIKE	
SYM	
TADANO	
TESLA	all models, until 2020
TGB	
TOYOTA	all diesel from 2015
TOYOTA	all petrol from 1978
TRIUMPH	
UD NISSAN DIESEL	all models
VAN HOOL	
VAUXHALL	GME L 1301, GMW 3420
VW	TL 774-C (G11), TL 774-D (G12), TL 774-F (G12+), TL 774-G (G12++), TL 774-J (G13), TL 774-L (G12evo)
VOLVO	TR-31854114-002, all models
VOLVO TRUCKS	all models
YAMAHA	
YANMAR	

Miscibility:

- **EVOFREEZE XX 12 EVOX** is miscible with most coolants based on ethylene glycol. To achieve an optimal corrosion protection and to avoid sludge formation it is recommended to use pure **EVOFREEZE XX 12 EVOX**. For the preparation of mixtures softened water should be preferred.
We recommend to drain the cooling system and to flush it with clean water before use.

EVOFREEZE XX 12 EVOX

Article No.	Packaging unit	
STL 3100 382	Can	1 L
STL 3100 383	Can	1500 ml
STL 3100 384	Can	5 L
STL 3100 385	Can	20 L
STL 3100 386	Drum	60 L
STL 3100 388	Drum	200 L
STL 3100 389	PE-Container	1000 L

Typical characteristics:

Specific weight at 20°C	kg/m ³	1,120 - 1,130
Boiling point	°C	170 min.
pH-Wert 50 Vol. %		7,5 min.
Water content	%	max. 5
Pour point antifreeze/water=1:1	°C	approx.-38
Pour point antifreeze/water=1:2	°C	approx.-18
Reserve alkalinity		8 min.
Colour		pink (violet)
Ash content	%	5 max.
Refractive index, 20°C		1,425-1,438