

DESCRIPTION

FROSTOX® SF-D12/DI++ is an environmentally friendly monoethylene glycol based antifreeze for internal combustion engine run-in and operation formulated with Si-OAT corrosion protection technology. This corrosion inhibitor system combines modern, carboxylic acid based corrosion inhibitor technology with the advantages of silicate antifreezes.

FROSTOX® SF-D12/DI++ contains a vapour corrosion inhibitor. Consequently, it protects all of the different metals and alloys used in the engine — including aluminium — in the vapour phase as well.

OEM APPROVALS

FROSTOX® SF-D12/DI++ is approved by the following manufacturers:

Audi: VW TL 774 H	Bugatti: VW TL 774 H	Seat: VW TL 774 H
Bentley: VW TL 774 H	Lamborghini: VW TL 774 H	Volkswagen: VW TL 774 H

PHYSICAL AND CHEMICAL PROPERTIES

	Value	Method
Density at 20°C [g/cm³]	1.050–1.170	DIN 51757
Refractive index	1.425–1.439	DIN 53423
Boiling point [°C]	>170	ASTM D1120
Flash point [°C]	>110	ASTM D51758
pH value (33 % aqueous solution)	7.5–8.5	ASTM D1287





PERFORMANCE CHARACTERISTICS

FROSTOX® SF-D12/DI++ easily exceeds all requirements set forth in ASTM D3306 — particularly with respect to ASTM D1384 and ASTM D4340 corrosion testing — and can be mixed even with hard water in any concentration with no precipitate formation. The following water mixture ratios are recommended:

40 % (v/v) FROSTOX® SF-D12/DI++	Freeze point –25°C
50 % (v/v) FROSTOX® SF-D12/DI++	Freeze point –37°C
60 % (v/v) FROSTOX® SF-D12/DI++	Freeze point –52°C

CONTAINER AND DELIVERY SPECIFICATIONS

FROSTOX® SF-D12/DI++ is colourless. The following container sizes are available:

	1	1.5 litre		3	5	10	20	30 litre
	60	200 litre		20 to 24 tons				

Please inquire for additional container sizes if required.