

DESCRIPTION

FROSTOX® SF-D12++ is a premium monoethylene glycol based antifreeze formulated with Si-OAT corrosion inhibitor technology. This corrosion inhibitor system combines modern, carboxylic acid based corrosion inhibitor technology with the advantages of silicate antifreezes. The result is optimal long-term stability and protection against corrosion. **FROSTOX® SF-D12++** contains no nitrites, amines, phosphates, or borates.

OEM APPROVALS

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

Audi: VW TL 774 G

Bentley: VW TL 774 G

Bugatti: VW TL 774 G

Caterpillar: ASTM D4985

Lamborghini: VW TL 774 G

Porsche: VW TL 774 G

Seat: VW TL 774 G

Skoda: VW TL 774 G

Volkswagen: VW TL 774 G

Zeppelin: ASTM D4985

PHYSICAL AND CHEMICAL PROPERTIES

	Value	Method
Density at 20°C [g/cm³]	1.110–1.140	DIN 51757
Refractive index	1.425–1.438	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
Reserve alkalinity [ml 0.1N HCl/10 g]	>5.0	ASTM D1121





PERFORMANCE CHARACTERISTICS

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

CONTAINER AND DELIVERY SPECIFICATIONS

FROSTOX® SF-D12++ is dyed reddish purple. 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.