

### DESCRIPTION

**FROSTOX® HT12** is the most advanced monoethylene glycol based premium antifreeze concentrate in the FROSTOX® line. The Si-OAT corrosion protection technology used contains no 2-ethylhexanoic acid and fulfils with ease the requirements of modern high-performance engines with respect to resistance to thermal stress, long-term stability, and long-term corrosion protection. **FROSTOX® HT12** contains no nitrites, amines, phosphates, or borates.

### OEM APPROVALS

**FROSTOX® HT12** is in the process of being approved by major automobile and commercial vehicle manufacturers.

### 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]	>10.0	ASTM D1121





### PERFORMANCE CHARACTERISTICS

**FROSTOX® HT12** 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 coolant-to-water mixture ratios are recommended:

30 % (v/v) <b>FROSTOX® HT12</b>	Freeze point –17°C
40 % (v/v) <b>FROSTOX® HT12</b>	Freeze point –25°C
50 % (v/v) <b>FROSTOX® HT12</b>	Freeze point –37°C

### CONTAINER AND DELIVERY SPECIFICATIONS

**FROSTOX® HT12** is dyed according to customer specifications. 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.