

Premium antifreeze concentrate

FROSTOX® SF-D12++öko

Description

FROSTOX® SF-D12++öko 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. This product contains glycerol. **FROSTOX® SF-D12++öko** contains no nitrites, amines, phosphates, or borates.

OEM approvals

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

- › Audi: VW TL 774 J
- › Bugatti: VW TL 774 J
- › Seat: VW TL 774 J
- › Volkswagen: VW TL 774 J
- › Bentley: VW TL 774 J
- › Lamborghini: VW TL 774 J
- › Skoda: VW TL 774 J

Physical and chemical properties

| | Value | Method |
|--------------------------------------|-------------|-------------|
| Density at 20°C [g/cm ³] | 1.110–1.160 | DIN 51757 |
| Refractive index | 1.425–1.445 | 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/10g] | >5.5 | ASTM D1121 |

Performance characteristics

FROSTOX® SF-D12++öko 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:

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

Delivery form

FROSTOX® SF-D12++öko is dyed reddish purple. The following container sizes are available:



1 | 1.5 litre



3 | 5 | 10 | 20 | 30 litre



60 | 200 litre



20 - 24 tons

Please inquire for additional container sizes if required.