

DESCRIPTION

FROSTOX® WS/DI is an environmentally friendly solar thermal transfer fluid based on propylene glycol with a vapour corrosion inhibitor.

FROSTOX® WS/DI contains high-quality corrosion inhibitors to protect all of the different metals and alloys used in the system — including aluminium — in the vapour phase as well. The fluid temperature range for optimal operation is -35°C to 130°C . This product can also be used for systems with higher operating temperatures.

FROSTOX® WS/DI, in addition to stopping corrosion, also prevents the formation of scale and deposits in the system.

PHYSICAL AND CHEMICAL PROPERTIES

	Value	Method
Density at 20°C [g/cm^3]	1.000–1.120	DIN 51757
Refractive index	1.426–1.439	DIN 53423
Boiling point [$^{\circ}\text{C}$]	>155	ASTM D1120
Flash point [$^{\circ}\text{C}$]	>100	ASTM D51758
pH value (33 % aqueous solution)	7.5–8.5	ASTM D1287

PERFORMANCE CHARACTERISTICS

FROSTOX® WS/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® WS/DI	Freeze point -23°C
50 % (v/v) FROSTOX® WS/DI	Freeze point -35°C
60 % (v/v) FROSTOX® WS/DI	Freeze point -52°C

CONTAINER AND DELIVERY SPECIFICATIONS

FROSTOX® WS/DI is dyed a reddish purple. The following container sizes are available:



10

20

30 litre



60

200 litre



20 to 24 tons

Please inquire for additional container sizes if required.