



## SOLAR ZERO<sup>+</sup>

- **An inhibited heat transfer fluid for solar thermal applications that do not require frost protection**
- **Ideal for use in warm climates and solar drain-back applications**
- **Protects against corrosion in both gaseous and liquid phases**
- **Suitable for use with all makes and models of solar systems**
- **Stable pH across the range of operational temperatures**
- **Ready to use, no dilution necessary**



Fernox Solar Zero<sup>+</sup> is a clear, colourless and odourless liquid. It has been specifically formulated for use as a heat transfer fluid within solar thermal systems, where no frost protection is required.

Fernox Solar Zero<sup>+</sup> employs volatile corrosion inhibitors that will protect the installation when the heat transfer is in either a gaseous or liquid state at temperatures in excess of 180°C.

### Application

Fernox Solar Zero<sup>+</sup> is suitable for use within solar thermal installations that conform to BS EN 12976 and BS 5918.

Fernox Solar Zero<sup>+</sup> is ready to use and should not be mixed with other heat transfer fluids or diluted with water or glycol. If other heat transfer fluids have been previously used, drain the system completely and rinse with water before filling. Fernox Solar Zero<sup>+</sup> should be added undiluted into the solar thermal system using a suitable injection pump, following the manufacturer's instructions.

Fernox Solar Zero<sup>+</sup> is suitable for use in solar applications with stagnation temperatures in excess of 360°C provided that the solar thermal system is correctly installed and dimensioned to allow Fernox Solar Zero<sup>+</sup> to withdraw completely through vaporisation from the collectors when the maximum static temperature is reached.

### Corrosion Protection

The corrosion protection offered by Fernox Solar Zero<sup>+</sup> is equivalent to that provided by Fernox Protector F1 within central heating systems, for all metals commonly found within solar thermal installations.

### Compatibility with non-metallic's

Fernox Solar Zero<sup>+</sup> is compatible with all non-metallic's commonly found in solar thermal installations.

### Heat Transfer

Fernox Solar Zero<sup>+</sup> does not contain antifreeze and therefore has excellent thermal properties and viscosity that are comparable to water.

Composition	An aqueous solution of specifically formulated, high temperature inhibitors
Appearance	Clear, colourless liquid
Odour	None
Density	1.0 g/cm <sup>3</sup>
pH	7 - 8

### **Quality and Environmental**

Fernox Solar Zero<sup>+</sup> is manufactured according to BS EN ISO 9001 and 14001.

### **Packaging, Handling and Storage**

Fernox Solar Zero<sup>+</sup> is supplied ready to use in 25 litre containers. The formulation should not be diluted prior to use.

Fernox Solar Zero<sup>+</sup> is classified as non-hazardous and non-irritant, but as with all chemicals, keep out of the reach of children. Do not take internally. In case of contact with eyes or skin, rinse immediately with plenty of water.

Refer to Fernox Solar Zero<sup>+</sup> Material Safety Data Sheet (MSDS) for further information.

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