



HP-5c

- **Concentrated heat transfer fluid suitable for use in Air Source Heat Pumps and underfloor heating systems**
- **Frost protection from -4°C to -14°C**
- **Protects against corrosion, limescale and bacterial contamination**
- **Non-toxic.**
- **Compatible with all materials commonly found in Heat Pump and underfloor heating systems**
- **pH stable**



Product Uses

Fernox HP-5c is a concentrated heat transfer fluid capable of frost protection from -4°C to -14°C especially formulated for use in Air Source Heat Pumps and underfloor heating circuits. Fernox HP-5c also provides long term protection from damage caused by corrosion, limescale and bacteria and maintains a stable pH across a range of operational temperatures. Fernox HP-5c is compatible with all materials commonly used in Heat Pumps and underfloor heating systems.

Physical Properties

Composition:	An aqueous solution of monopropylene glycol with specifically formulated inhibitors, stabilisers and biocides.
Odour	Characteristic
Form	Liquid
Appearance	Clear, blue liquid
Density	1.03-1.05
pH	6 - 7

Application and Dosage

Dilute before use with mains water. In order to ensure adequate corrosion and biocidal protection, the minimum “in-use” concentration of the product is 10%. Maximum “in-use” concentration is 30%. Upon dilution Fernox HP-5C will provide frost protection according to the table below..

Concentration	10%	20%	30%
Frost Protection	-4°C	-9°C	-14°C

Frost protection level can be checked using a Fernox Refractometer.

Existing heating systems should be cleaned of sludge and limescale deposits with a suitable Fernox Heat Pump Cleaner before adding Fernox HP-5c.

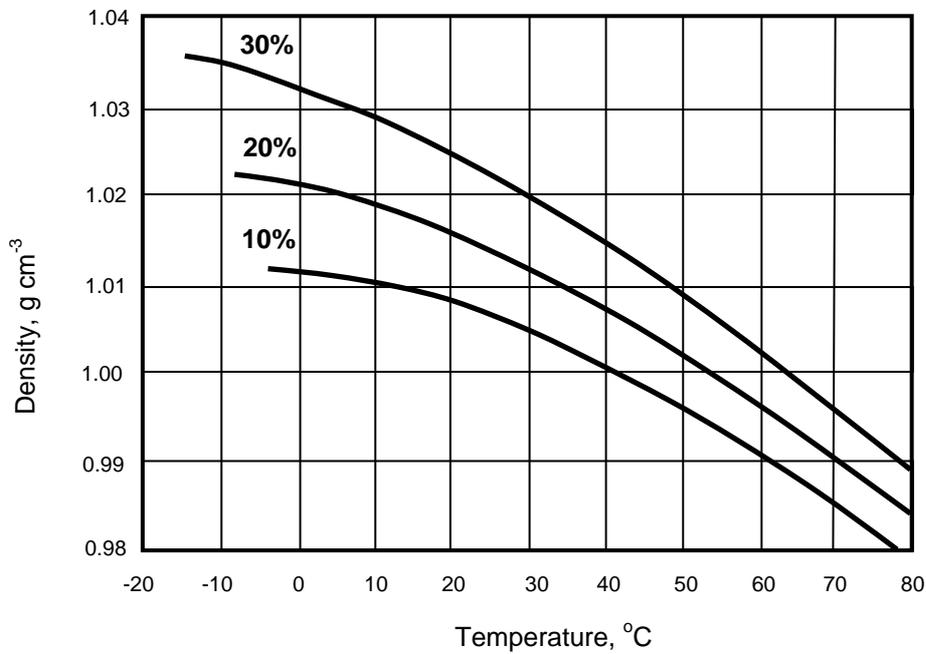
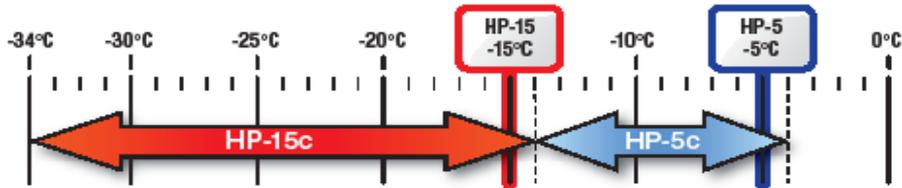
Packaging, Handling and Storage

Fernox HP-5c is supplied in 10 litre drums.

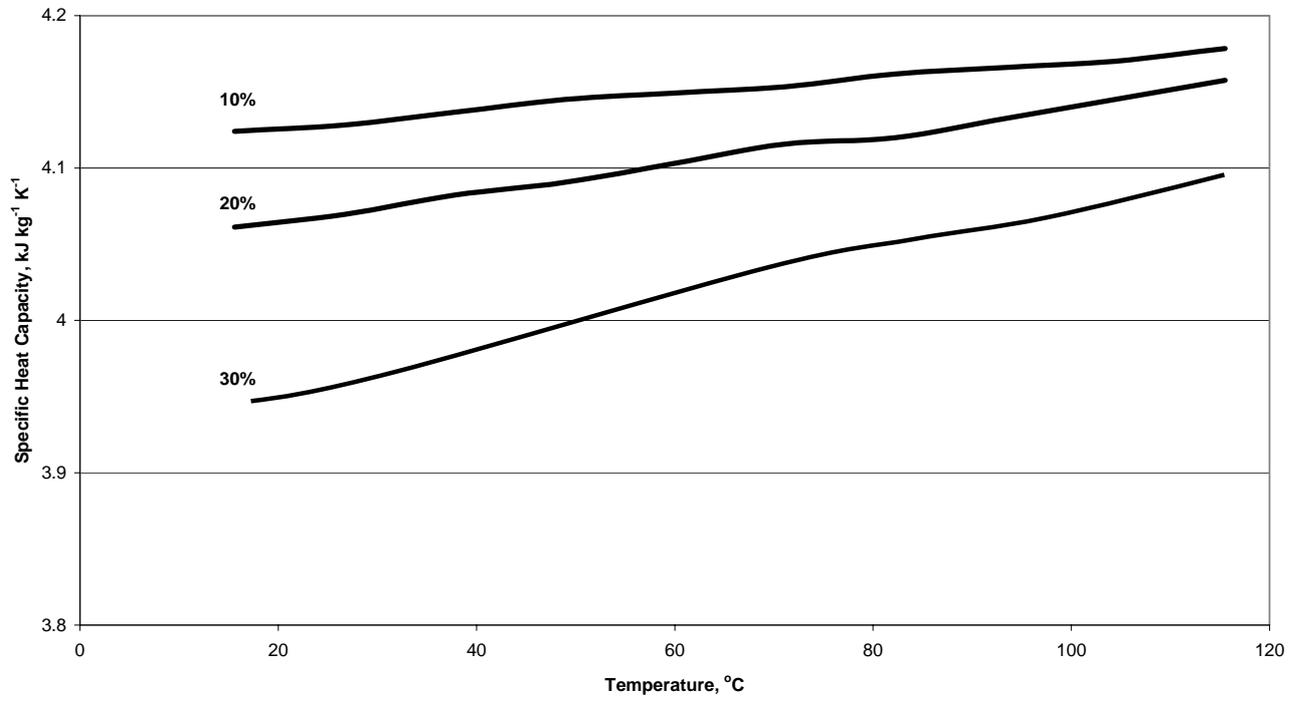
Fernox HP-5c is not classified as hazardous but as with all chemicals care should be taken. Keep out of reach of children. If swallowed seek medical advice and show container or label. Do not mix with other chemicals. Safety data sheets available on request.

Further Information

Fernox provides a comprehensive range of products for Air and Ground Source Heat Pumps. Depending on required level of frost protection, the chart below outlines the Fernox HP range of products available to cover these applications. For more information please visit www.fernox.com or call + 44 (0) 870 601 5000.



Specific Heat Capacity



Viscosity Chart

