

## ALPHI-11 PROTECTOR

- Protects against corrosion and limescale
- Combined antifreeze and protector
- Prevents limescale build-up
- Compatible with all metals and materials commonly used in heating systems
- Non-toxic, environmentally friendly
- Protects heating and chilled water



### Product Uses

Fernox Alphi-11 Protector is a combined antifreeze and inhibitor, which gives long term protection against internal corrosion and limescale in commercial heating and chilled water systems. Fernox Alphi-11 Protector is compatible with all metals and materials commonly used in central heating systems, including aluminium.

For continued protection we recommend Protector levels are checked regularly (annually). The concentration of the product can be easily measured on site using a Fernox Protector Test Kit or by using a refractometer.

### Physical Properties

Fernox Protector Alphi-11 contains mono-propylene glycol.

Colour:	Colourless
Odour:	Aromatic (slight)
Form:	Clear liquid
pH (conc)	6.9
pH (soln 25%):	6.4 – 7.4
SG:	1.04 at 20°C

### Application and Dosage

The minimum recommended "in-use" concentration of the product is 25% in order to ensure adequate corrosion protection. This concentration will protect down to -11°C. A concentration of 40% will protect down to -22°C. Alphi-11 Protector can be introduced via the feed and expansion tank or injected directly into the system via a suitable point (e.g. dosing pot). Introduce into the system after having drained a quantity of water at least equal to the amount of Alphi-11 to be added. Engage the circulating pump and have the system online for a few hours in order to achieve an even distribution.

Concentration	25%	30%	35%	40%
Protection	-11°C	-15°C	-18°C	-22°C

In single feed indirect cylinders, e.g. "Primatic" or similar, potable water chemicals must be used.

We recommend untreated systems are thoroughly cleansed and flushed, in accordance with BS7593 and Benchmark, using Fernox Cleaner F3 before treating with Fernox Alphi-11 Protector as existing debris can damage the installation.



## **Packaging, Handling and Storage**

Fernox Protector Alphi-11 is supplied in 5 and 25 litre containers.

Fernox Protector Alphi-11 is classified as non-hazardous and non-irritant, but as with all chemicals keep out of reach of children. Do not mix with other chemicals with the exception of Fernox products. Do not take internally. May cause an allergic reaction. Contains 1,2-benzisothiazol-3(2H)-one. In case of contact with eyes or skin, rinse immediately with plenty of water.