

## ANTIFREEZE PROTECTOR ALPHI-11

- Protects against corrosion and limescale
- Combined antifreeze and protector
- Maintains efficiency so extending system life
- Compatible with all metals and materials commonly used in heating systems
- Non-toxic, environmentally friendly
- Protects heating and chilled water



### Product Uses

Fernox Antifreeze Protector Alphi-11 is a combined antifreeze and inhibitor, which gives long term protection of domestic central heating systems against internal corrosion and limescale formation. It prevents corrosion of all metals found in these systems, i.e. ferrous metals, copper and copper alloys and aluminium. Fernox Antifreeze Protector Alphi-11 is compatible with all metals and materials commonly used in central heating systems.

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 Antifreeze Protector Alphi-11 contains mono-propylene glycol.

Colour:	Colourless
Odour:	Aromatic (slight)
Form:	Clear liquid
pH (conc.)	6.9
pH ( 25% solution):	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. Antifreeze Protector Alphi-11 can be introduced via the feed and expansion tank or other suitable point of application, e.g. radiator, using a Fernox Injector. 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 Antifreeze Protector Alphi-11 as existing debris can damage the installation.



## **Packaging, Handling and Storage**

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

Fernox Antifreeze 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.