

ANTIFREEZE PROTECTOR ALPHI-11

Fernox Antifreeze Protector Alphi-11 is a combined glycol antifreeze and inhibitor offering long-term protection against frost, internal corrosion and limescale in heating and chilled water systems, including geothermal systems.

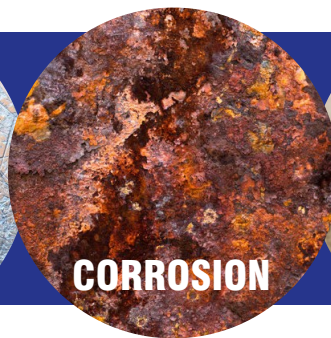
Compatible with all metals and materials commonly used in hydronic systems including aluminum, **Antifreeze Protector Alphi-11**, is proven to work efficiently and has been tried and tested on installations worldwide.



3 IN 1 SOLUTION PROTECTS AGAINST...



FROST



CORROSION



SCALE

Why use Fernox Antifreeze Protector Alphi-11?

- Frost, corrosion and scale protection
- NSF HT1 registered product - certified safe for 'incidental food contact' and ideal for use with single walled heat exchangers
- Protected system = reduced risk of breakdown and lower maintenance costs
- No need for a winter drain down
- Deionized water or soft water not required. Fernox Antifreeze Protector Alphi-11 will buffer on-site city and well water pH to neutral levels. It is also both stable and compatible with hard water
- Compatible with all metals and materials commonly found in a hydronic heating system
- Frost protection down to -29.2 °F
- Environmentally friendly formulation: nitrite, nitrate, phosphate and EDTA free
- Contains an antiscalant to protect against limescale formation



Nonfood Compounds
HT1



TECHNICAL INFORMATION

Physical Properties

Fernox Antifreeze Protector Alphi-11 contains monopropylene glycol.

Colour	Blue
Odour	Mild
Form	Clear liquid
pH (conc)	7.0 – 7.7
pH (soln 25%)	7.0 – 7.8



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 12.2 °F/-11 °C. A concentration of 50% will protect down to -29.2 °F/-34 °C.

Antifreeze Protector Alphi-11 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 draining a quantity of water at least equal to the amount of **Antifreeze Protector Alphi-11** to be added. Engage the circulating pump and ensure the system is online for a few hours in order to achieve an even distribution. **Antifreeze Protector Alphi-11** can be used with regular on-site water with no need to adjust the pH prior to application.

The full range of **Antifreeze Protector Alphi-11** is available as concentrated or premix formulations.

Concentration	25%	30%	35%	40%	45%	50%
Protection	12.2 °F	5 °F	-0.4 °F	-7.6 °F	-16.6 °F	-29.2 °F
Burst point	0 °F	-20 °F	-40 °F	-60 °F	-70 °F	-80 °F

Fernox recommends untreated systems are thoroughly cleansed and flushed 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, 55 and 330 Gallon 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. In case of contact with eyes or skin, rinse immediately with plenty of water.



Why Fernox?

Quality, simplicity and uncompromising commitment to technical excellence are at the heart of the Fernox philosophy. Each and every product is developed with the user in mind. **Antifreeze Protector Alpha-11** not only prevents frost damage, but protects and extends the lifespan of the heating systems.

With over 50 years of experience and millions of satisfied customers, history speaks for itself.

ANTIFREEZE PROTECTOR ALPHI-11		
	Size	Product Code
	5 Gallon	155738-0005
	55 Gallon	155738-0055
	330 Gallon	155738-0330

ANTIFREEZE PROTECTOR ALPHI-11 - PREMIX 5 GALLON		
% Premix	Size	Product Code
30% Premix	5 Gallon	174819-0005
35% Premix	5 Gallon	244338-0005
40% Premix	5 Gallon	174821-0005
45% Premix	5 Gallon	244337-0005
50% Premix	5 Gallon	175578-0005

ANTIFREEZE PROTECTOR ALPHI-11 - PREMIX 55 GALLON		
% Premix	Size	Product Code
30% Premix	55 Gallon	174819-0055
35% Premix	55 Gallon	244338-0055
40% Premix	55 Gallon	174821-0055
45% Premix	55 Gallon	244337-0055
50% Premix	55 Gallon	175578-0055

ANTIFREEZE PROTECTOR ALPHI-11 - PREMIX 330 GALLON		
% Premix	Size	Product Code
30% Premix	330 Gallon	174819-0330
35% Premix	330 Gallon	244338-0330
40% Premix	330 Gallon	174821-0330
45% Premix	330 Gallon	244337-0330
50% Premix	330 Gallon	175578-0330



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