

A high performance US made product, **Antifreeze Protector Alpha-11** is the perfect solution to protect against winter, operating to temperatures as low as -29°F. Ideal to protect system pipework as well as heated underfloor driveways to keep America moving...



A FernoX tanker transports Antifreeze Protector Alpha-11 in large quantities for use with heated driveways, underfloor and snowmelt systems.

Alpha-11 offers

- Antifreeze glycol protection
- Effective to temperatures as low as -29°F
- Environmentally friendly formulations, Nitrite, Nitrate, Phosphate and EDTA free
- Protects heating and chilled water systems

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FernoX is the leading global brand of domestic and commercial water treatment products, filter and equipment.

With over 50 years experience and continual investment in research and development, FernoX maintains a market leading position, offering products of the highest quality, reliability and performance backed by technical leadership.

Recognized not only for its innovative product range, FernoX is acknowledged for its visionary commitment to sustainability through the promotion of energy efficiency and its carbon reduction program.



Distributor:

WINTER

need never be
a worry again...



Antifreeze Protector ALPHI-11

OPTIMUM PROVEN PERFORMANCE

Fernox Antifreeze Protector Alphi-11 is a combined antifreeze and inhibitor which is formulated to be the premier choice of engineers and installation professionals.

Certified by the NFS you are guaranteed that the product meets strict standards for public health protection. In order to gain the certification **Antifreeze Protector Alphi-11** and Fernox have demonstrated that they comply with the standards and procedures imposed by the NSF. From extensive product testing and material analyses to unannounced plant inspections, every aspect of a product's development is thoroughly evaluated before it can earn a certification.

Offering long-term protection against internal corrosion and limescale deposition in commercial heating and chilled water hydronic systems, the product's performance and environmental credentials are first class.

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

- Central heating antifreeze with corrosion and limescale inhibitors
- Protects against frost damage
- Non-toxic and non-volatile formulation
- Only for use in fully indirect systems
- Compatible with all metals and materials commonly used in central heating systems. Use with regular on-site tap water. **Antifreeze Protector Alphi-11** will buffer pH and hardness even on aluminum

3 IN 1 SOLUTION PROTECTS AGAINST...



CLEANING, FLUSHING, INHIBITING AND TESTING

It is important that untreated systems are thoroughly cleaned and flushed prior to dosing with **Antifreeze Protector Alphi-11** as existing debris can cause damage to the installation. The concentration of Antifreeze Protector Alphi-11 can be easily measured on-site using a Refractometer and Fernox Protector Test Kit. Inhibitor levels should be tested annually to ensure proper protection.

CLEANING

Fernox HVAC Cleaner F3 is specially designed to remove all sludge, installation residue and debris from the system. Contaminants circulating within the system water can lead to blockages causing system failure, reduced efficiency and increased fuel consumption.



FLUSHING

Powerflushing a system under controlled conditions is the fastest most effective way of removing all the debris from the system.

INHIBITING

Once properly cleaned and flushed, the system should be adequately dosed using Antifreeze Protector Alphi-11. For continual protection it is recommended that inhibitor levels are checked on an annual basis.



TESTING

The concentration of Antifreeze Protector Alphi-11 can be easily measured on-site using a Refractometer and Fernox Protector Test Kit.

LOCAL MANUFACTURING, A COMMITMENT TO SUSTAINABILITY

Fernox manufactures **Antifreeze Protector Alphi-11** at its dedicated US facility, which assures quality products and guaranteed availability whilst reducing the environmental impact of transporting product from overseas. Accredited with global environmental approvals: *KIWA, Belgaqua, BuildCert* and *Energy Saving Trust Recommended*.



- Avoids the need for winter drain-down
- Contains mono-propylene glycol
- Product is available in two drum sizes
5 US Gallons - 155738-005
55 US Gallons - 155738-055
- pH level in concentration 5.7 - 6.1
- pH in solution 7.0 - 7.5

| Concentration | 25% | 30% | 35% | 40% | 50% |
|-------------------|--------|-------|-------|--------|---------|
| Protection | 12.2°F | 8.6°F | 1.4°F | -7.6°F | -29.2°F |
| Burst point deg F | 0 | -20 | -40 | -60 | -80 |

The minimum recommended in-use concentration of the **Antifreeze Protector Alphi-11** is 25% in order to ensure adequate corrosion protection. The product should be introduced to the system only after draining off sufficient water equal to the amount of Alphi-11 being dosed. On lower % dosage rates, **Fernox Protector F1** can be added for continual corrosion protection if needed.