



62673 - Protector F1 Express 400ml

Protector F1 is the market leading inhibitor which prevents corrosion and limescale formation in central heating systems. This high performance product offers superior protection by uniquely combining three inhibitors of organic particles, which bind to the metal within the heating system to protect from debris alongside anodic inhibitors which react with the system's metal surface to create a protective layer, and cathodic inhibitors that combine with hard water salts to form an insoluble layer. Fernox Protector F1 also includes enhanced a pH buffering to ensure the system water pH level does not drop below 6.5 or above 8.5 - the optimum pH range for preventing corrosion and limescale build-up. In line with local regulations and best practice, and for long-term protection of the system, concentration levels should be maintained and checked annually as part of the boiler or system service. Protector F1 is compatible with all other Fernox products and is suitable for use with all materials and metals used in central heating systems, including aluminium. The Fernox Express range uses Barrier Pressure Pack technology and compressed air propellant to expel the product so the entire range is non-flammable. The propellant (compressed air) is not mixed with the active product so there is no risk of air ingress into the system which could accelerate future risk of corrosion.

- Protects against corrosion and scale in mixed metal central heating systems to prevent breakdown and premature boiler failure
- Quick and convenient – doses in 30 seconds via radiator, filling loop or Fernox TF1 System Filter - no need to drain down the system
- When used in conjunction with Cleaner F3 gas savings of up to 15% can be achieved every time you heat your room
- Supports boiler manufacturer's warranty requirements
- Treats up to 34 US Gallons of system water (16 radiators) and the equivalent of 2690 sq ft of underfloor systems.
- High performance, non toxic, environmentally friendly - NSF CIAS, KIWA and Belgaqua approved formulation

Application

One single dose of this product treats and protects a larger sized property with a heating system of 34 US Gallons of system water (16 radiators) and the equivalent of 2690 sq ft of underfloor heating and can be dispensed directly into a radiator air vent, system filling loop, or via a TF1 Filter using the appropriate adapter supplied with the product. Fernox Express takes less then 30 seconds to dose the system without the need to drain down the system, saving time on-site. If dosing via a TF1 Filter, the filter should be emptied of any collected contaminants prior to treating with the product. In single feed indirect cylinder, e.g. Primatic; or similar, potable water chemicals must be used. Fernox recommends untreated or sludged systems are thoroughly cleaned and flushed in accordance with local regulations and legislation, using Fernox Cleaner F3 Express, before treating with Fernox Protector F1 Express, as existing debris can damage the installation.

Packaging, Handling & Safety

Fernox Protector F1 Express is supplied in 13 fl oz pressurised cans.

Fernox Protector F1 is classified as non-hazardous for human health, but as with all chemicals, keep out of reach of children. In case of contact with eyes or skin, rinse immediately with plenty of water.

Specification

Form: Light brown liquid

Odour: Slightly aromatic

pH (conc): 8.4

pH (soln): 7.8 to 8.5

SG: 1.17 at 20°C/ 68 F°

Volumetrics & Barcodes

Barcode EAN	5014551626737	OCU Barcode	05014551003354
Single Unit Weight (kg)	0.6	Outer Carton Weight (kg)	6.24
Single Unit Height (mm)	218	Outer Carton Height (mm)	241
Single Unit Width (mm)	66	Outer Carton Width (mm)	178
Single Unit Depth (mm)	95	Outer Carton Depth (mm)	339

Safety Data Sheet (US-EN-US)

[https://files.plytix.com/api/v1.1/file/public_files/pim/assets/45/7d/ae/5f/5fae7d45c573435950d65e1e/texts/1e/0b/a8/69/69a80b1e1efd01c43191c747/62673_Fernox SDS GHS Americas_English \(US\).pdf](https://files.plytix.com/api/v1.1/file/public_files/pim/assets/45/7d/ae/5f/5fae7d45c573435950d65e1e/texts/1e/0b/a8/69/69a80b1e1efd01c43191c747/62673_Fernox SDS GHS Americas_English (US).pdf)

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