

PROTECTOR F1

- Central Heating Protector for mixed-metal domestic central heating systems
- Protects against corrosion and limescale
- Prevents boiler noise
- Stops frequent venting of radiators
- Extends system life
- Prevents sticking pumps
- Saves on fuel bills
- Reduces maintenance costs
- Maintains system efficiency
- Prevents cold spots in radiators
- Non toxic, environmentally friendly



Product Uses

Fernox Protector F1 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 aluminum. It is suitable for all types of boiler, radiators and pipe-work systems. Fernox Protector F1 is compatible with all metals and materials commonly used in central heating systems.

For continued protection we recommend Protector F1 levels are checked regularly (annually). The concentration of the product can be easily measured on site using a Fernox Protector Test kit.

Carbon Footprinting

We have worked with the Carbon Trust to measure the carbon emissions of Fernox Protector F1 500ml. We have undergone rigorous carbon analysis to enable Protector F1 to carry the Carbon Reduction Label. The following communication statement has been approved by the Carbon Trust;

If you protect a central heating system using Fernox Protector F1, after cleaning with Fernox Cleaner F3, you can restore and maintain system efficiency resulting in a gas saving of up to 15% every time you heat your room. This saving is equivalent to 110 Kg CO₂e per typical home per year.'



Physical Properties

Protector F1 is a blend of inorganic and organic corrosion and scale inhibitors.

Form:	Liquid
Odor:	Aromatic (slight)
Form:	Light yellow
pH (conc):	8.0
pH (soln):	7.4 to 8.2
SG:	1.1 AT 68°F



Application and Dosage

The recommended 'in use' concentration of the product is 0.5%. One pint ≈ 500ml pack will treat an average 3 to 4 bedroom house (100 liters, 26 U.S. gallons). For open vented systems add via the feed and expansion tank. For sealed systems add via the radiator using a Fernox Injector.

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

For continued protection Fernox Protector F1 levels should be checked regularly (annually). We recommend untreated or sludged systems are thoroughly cleansed and flushed in accordance with BS7593 and Benchmark using Fernox Cleaner F3/F5, before treating with Fernox Protector F1, as existing debris can damage the installation.

Packaging, Handling and Storage

Fernox Protector F1 is supplied in 1 pint ≈ 500ml containers.

Fernox Protector F1 is classified as non-hazardous, but as with all chemicals: Keep out of reach of children. Do not mix with other chemicals. Do not take internally. May produce an allergic reaction. Contains 1,2-benzisothiazol-3(2H)one. In case of contact with eyes or skin, rinse immediately with plenty of water.