

# CENTRAL HEATING PROTECTOR F1

- Protects against corrosion and scale in mixed metal central heating systems
- When used in conjunction with Cleaner F3 gas savings of up to 15% can be achieved every time you heat your room
- Carbon Footprint certified by the Carbon Trust
- Stops frequent venting of radiators
- Prevents sticking pumps and boiler noise
- Reduces maintenance costs and saves on fuel bills
- 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 aluminium. 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 F1 Protector, after cleaning with Fernox F3 Cleaner, 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 90 Kg CO<sub>2</sub>e per typical home per year.***

*This is the equivalent to saving 2400 hours of operating a standard 60W light bulb, or leaving the same light bulb on continuously for 100 days!*

<p>reducing with the Carbon Trust</p> <p>per 1 litre of system fluid treated</p>	<p>Used in combination with Fernox F3 Cleaner, gas savings of up to 15% can be achieved every time you heat your room.</p>
<p>carbon-label.com</p>	<p>We have committed to reduce the carbon footprint of this product.</p>

## Physical Properties

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

Form:	Clear translucent liquid
Odour:	Faint. Aromatic
Form:	Clear liquid
pH (conc):	7.1 – 8.1
pH (soln):	7.6 – 8.2

### **Application and Dosage**

The recommended 'in use' concentration of the product is 0.5%. One 500ml bottle will treat an average 3 to 4 bedroom house (100 litres). 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 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. In case of contact with eyes or skin, rinse immediately with plenty of water