

PROTECTOR F1

- Protects against corrosion and scale in mixed metal heating systems
- Best-in-class pH buffering for optimum system pH control
- Stops radiator cold spots and frequent venting of radiators
- Prevents sticking pumps and boiler noise
- Reduces maintenance cost and saves on fuel bills
- Non-toxic formulation



Product Uses

Fernox Protector F1 gives long-term protection of domestic central heating systems against internal corrosion and limescale formation. It is suitable for all types of boiler, radiators and pipe work systems. Protector F1 is compatible with all metals and materials commonly used in central heating systems.

To comply with BS 7593:2019, Protector F1 levels should be checked annually. The concentration of the product can be easily measured on site using a Fernox Protector Test Kit or by using the Fernox Water Quality Test postal service.

BS 7593:2019 also states that after 5 years, systems should either be re-dosed or a laboratory test performed, such as the Fernox Water Quality Test.

Physical Properties

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

Form:	Liquid
Odour:	Aromatic (slight)
Colour:	Yellow
pH (conc.):	8.1
pH (soln.):	7.0 to 8.0
SG:	1.18 at 20°C



Application and Dosage

The recommended 'in use' concentration of the product is 0.265%. One 265ml bottle will treat an average domestic system (100 litres). For open vented systems add via the feed and expansion tank. For sealed systems add via a suitable dosing point (e.g. a towel rail or an in-line system filter). Alternatively, use a suitable dosing vessel to inject the product into the system.

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

We recommend untreated or sludged systems are thoroughly cleaned and flushed in accordance with BS 7593:2019 and Benchmark using Fernox Cleaner F3/ F8, before treating with Fernox Protector F1, as existing debris can damage the installation.