

SYSTEMSAFE-IC Scale and corrosion inhibitor (commercial)

- Economical and effective corrosion, sludge and scale inhibitor for use in closed industrial and commercial heating and cooling systems.
- Protects steel, cast iron, copper, brass and bronze.
- Prevents scale and sludge formation.
- Prevents micro-biological contamination.
- Prevents internal pitting and galvanic corrosion.
- Protects and extends life of heating system.
- Non-critical dosage rate.



SYSTEMSAFE-IC is a balanced blend of cathodic, anodic and non-ferrous corrosion inhibitors, incorporating a scale inhibitor to provide protection against scale formation.

It gives long term protection to closed water systems, preventing internal corrosion, extending the life of the system, and maintaining its operational efficiency.

SYSTEMSAFE-IC protects against the formation of black iron oxide sludge which accumulates in low flow areas to give flow problems, and against electrolytic and oxidic corrosion which leads to localised and pin-hole corrosion and leaks.

SYSTEMSAFE-IC may be used with metals commonly used in heating systems, including ferrous metals, brass, copper, and galvanised steel, but not with aluminium radiators or heat exchangers.

Application:

SYSTEMSAFE-IC should be added to the system at a dosage rate of 1 litre per 500 litres (110 gallons) of system capacity. Further additions will only be required if water losses from the system occur.

It may be added via a feed and expansion

tank, after isolating the water supply and draining off sufficient water to empty the tank, to ensure that all the SYSTEMSAFE-IC enters the water system. Allow system to re-fill.

Alternatively, SYSTEMSAFE-IC may be introduced direct into the system at a suitable point, using an injector or pump with an adequate head, after draining off sufficient water to compensate for the volume of SYSTEMSAFE-IC being added.

Application guidance:

New Systems

Before adding SYSTEMSAFE-IC to a new system, we recommend a pre-commission cleanse with HYPERFLUSH, to remove installation and manufacturing debris such as swarf and millscale, to mobilise and remove any dust and dirt, remove light rust from radiators and pipework, and neutralise any acidic flux residues.

Existing Systems

It should be noted that no corrosion inhibitor can reverse previous corrosion damage, and to optimise the system efficiency, and allow SYSTEMSAFE-IC to work to best effect, we advise that the system should first be flushed with HYPERFLUSH in extreme cases.

This is particularly important in cases where new boiler plant or heat exchangers are being added to older installations.

Checking the correct treatment level:

The exact dosage rate is not critical, as SYSTEMSAFE-IC will work effectively within a +/- 20% range, but dosage rate may be checked by using a test kit to determine the level of sodium nitrite, which will be 500ppm at the normal dosage rate.

Pack sizes:

cartons of 4 x 5 litre
10 litre plastic drums.



The KAMCO range of water treatment chemicals for the care, maintenance and protection of heating and cooling systems