

STEROX

- Chlorination kit for hot and cold water systems
- Convenient compliance with HSE recommendations regarding Legionnaires disease
- Complete kit for chlorination and testing to ACOP L8
- Easy and safe to use, with full instructions
- Sufficient for five average domestic systems
- Highly cost effective



Product Uses

Fernox Sterox is used to disinfect domestic water systems to ACOP L8 and other specifications. Hot and cold storage systems should be cleaned and chlorinated at least annually. It is also advisable to commission a chlorination when; routine inspection shows it to be necessary, the system is being brought into use for the first time, part of it has been out of use and is being re-commissioned, it has been altered, repaired or otherwise disturbed or following and outbreak or suspected outbreak of Legionnaires' disease.

Physical Properties

Fernox Sterox comprises 15 tablets of Sodium Dichloroisocyanurate (each containing 12.5 gms of available chlorine), a test kit and full instructions for use. One kit chlorinates 375 gallons (1687.5 L) of water.

Colour:	White
Form:	Solid
Odour:	Ethereal
pH:	5 to 7

Application and Dosage

- 1) Advise the occupant of the building that the water in the system should not be used or consumed during the chlorination process. Advise them of any health and safety precautions as appropriate, Warn building occupants that water is heavily chlorinated and unusable during chlorination process.
- 2) Make sure the system can easily be completely drained. Where necessary fit extra drain points to the bottom of the hot water storage or other tanks. Pipework needs to be self-draining and self-ventilating to aid the filling and draining. Make sure any dead-legs (as opposed to low points in pipework) are fully drainable. The Fernox Injector may be used to introduce pre-dissolved Sterox tablets into pipework fitted with a ½" tee, isolating valve and terminating in an air bleed nipple.
- 3) Fit gate valves to the feeds from the cold water storage tank (CWST) if none are already fitted.
- 4) Switch off the boiler.
- 5) Shut off the mains supply to the cold water storage tank.
- 6) Completely drain the hot and cold system including the hot water cylinder, lavatory cisterns, etc.
- 7) Thoroughly clean the cold water storage tank, taking care to remove all the debris.
- 8) Shut off the feeds to the system from the cold water storage tank.
- 9) Fill the cold water storage tank.
- 10) Add two Sterox tablets for every 225 litres (50 gallons) of water in the tank. This should provide more than the required 50 mg/L of free chlorine, but allows for chlorine usage while filling the system. Allow a minute or so for the tablet to break-up then stir until dissolved. Alternatively pre-dissolve the tablets in a clean bucket of water, add to the cold water storage tank and stir.

- 11) Again, turn off the mains supply to the cold water storage tank.
 - a) Open the gate valves on the feeds and release the chlorinated water into the system by running every tap (and shower) and drain cocks on dead legs, starting with the ones nearest the cold water storage tank.
 - b) Do not allow the cold water storage tank to empty during the filling. (This clearly should not happen if it is large enough). If it looks like emptying then close the gate valves in time to allow the cold water storage tank to refill. Re-chlorinate the filled tank and re-start the filling process.
 - c) All the water in the system should now contain at least 50 mg/L free chlorine. Check this at one or two outlets (including the furthest from the cold water storage tank), using the test tablets (see below).
- 12) When the system is full, top up the storage tank to above the normal level in the tank by holding down the ball valve and add a further tablet (step 9 above). Check the free chlorine level in the tank is at least 50 mg/L.
- 13) At this stage all cistern lids and storage tanks must be in their fixed position and remain so from this point onwards.
- 14) Leave the system for one hour when the chlorine level should still be in excess of 50 mg/L. Check as in step 10 (c) above using the test tablets. If it is not, the system should be re-chlorinated as the level of contamination is likely to have been high.
- 15) The chlorinated water now has to be flushed out. This is best done by completely draining the system and tank and refilling with fresh water at least twice.
- 16) Use the test tablets at selected outlets to ensure that the chlorine level is no greater than that of the incoming mains water. A small trace of free chlorine is not harmful, but may give an unpleasant taste to the water.
- 17) Keep accurate records of the date of chlorination, initial and final chlorine concentrations and contact time. Include company and personnel responsible for chlorination and date of next chlorination. (Use the same information for issuing Chlorination Certificates).

Packaging, Handling and Storage

Fernox Sterox is supplied in 345g kits (4 per carton) plus test tablets.

Fernox Sterox is classified as harmful and dangerous for the environment. Harmful if swallowed. Irritating to eyes and respiratory system, contact with acids liberates toxic gas. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of reach of children. Keep container dry. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains. In case of fire and/or explosion, do not breathe fumes.