

## Sentinel X700

### Sanitiser and Biocide for Underfloor Heating Systems

#### Features and Benefits

- Effective biocide & fungicide
- Removes blockages caused by slimes
- Non-corrosive
- Long lasting protection
- Safe to handle
- No toxic breakdown products
- Easy and quick to dose
- Test method available
- Compatible with Sentinel X100

#### Application

Sentinel X700 is a solution containing a stabilised biocide for use in underfloor heating systems. These systems can suffer from problems caused by the growth of organisms such as bacteria and fungi. The problems caused are typically:

- Blockages of the pipe work, manifolds, valves and heat exchangers
- Unpleasant smells
- Corrosion of the heat exchanger
- Corrosion of the manifolds

The problems can severely disrupt the smooth and efficient operation of the underfloor heating system.

#### Description and Use

Sentinel X700 is a solution containing a stabilised biocide designed to eliminate the problems caused by bacteria and fungi in underfloor heating systems. *In new systems* add 1 litre of Sentinel X700 during the final fill of the system to prevent the development of bacteria and fungi and their associated problems. In larger systems, the product should be dosed at 1 litre per 300 litres system volume. Circulate the system for 30 minutes to ensure complete distribution through the whole system.

*Fouled systems*, characterised by poor circulation, discoloured water or bad odours need first to be sanitised and disinfected. Sentinel X700 should be dosed 1 litre per 300 litres system volume and circulated through-out the heating system at ambient temperature for a period of about 4 hours. After 4 hours the system should be flushed and refilled. During refilling, Sentinel X700 should again be added (1 litre to 300 litres system water) to ensure the problem does not reoccur.

There is a Sentinel BioCheck Test Kit available which contains test strips for checking the correct concentration of Sentinel X700 and also dip slides which are used to check for bacteria.

Sentinel X700 is fully compatible with Sentinel X100 inhibitor which should always be dosed during final refilling of the system to ensure protection from scale and corrosion.

*IMPORTANT – Sentinel X700 should not be mixed with other types of cleaning product other than those specified by Sentinel. The product is only for use in the primary circuit of underfloor heating systems.*

#### Chemical composition

- |                            |                          |
|----------------------------|--------------------------|
| • Appearance               | Clear, colourless liquid |
| • Specific gravity (20 °C) | 1.01 g/cm <sup>3</sup>   |
| • pH                       | 4.0 (approx.)            |
| • Freezing point           | - 2 °C                   |

#### Materials Compatibility

Sentinel X700 does not attack the materials normally used in underfloor heating systems.

#### Packaging

- 1 litre bottle

#### Safety Procedures

The information provided overleaf enables compliance with the Control of Substances Hazardous to Health Regulations. A Safety Data Sheet is available upon request.

## Sentinel X700

<b>Sanitiser and biocide for underfloor heating systems</b>	An aqueous solution containing stabilised oxidising agent.
<b>Health Hazards</b>	Not considered hazardous to health. The product is not classified as dangerous for the environment.
<b>Handling</b>	Normal chemical handling.
<b>Storage</b>	Store containers closed when not in use.
<b>Spillage</b>	Protective clothing should be worn. Prevent neat product from entering in public sewers or the immediate environment. Ensure adequate ventilation to maintain air contaminants below exposure limits. Absorb onto inert material and dispose of according to Controlled Waste Regulations. Remove small spills with plenty of water.
<b>Fire/Explosion Risks</b>	Keep away from heat. Avoid contact with strong oxidisers. No known hazardous decomposition products.
<b>First Aid</b>	<b>Skin Exposure :</b> Wash immediately with plenty of water. If irritation develops, seek medical attention.  <b>Eye Exposure :</b> Flush immediately with plenty of running water. Seek medical attention.  <b>Ingestion :</b> Rinse mouth with water. Immediately give 1-2 glasses of water, if victim is fully conscious. Seek medical attention.