



- An easy to apply solution for curing inaccessible leaks in both vented and sealed central heating systems, in less than 24 hours.
- Seals leaks and weeps in difficult to reach areas.
- Cures leaks; doesn't block pumps, valves, and air vents.
- Liquid form for easy application and rapid dispersal.
- Maintains pressure in sealed systems.
- Suitable for multi-material systems, including iron, steel, copper, brass, aluminium and plastic.
- Non toxic. • Non irritant.

When heating and cooling systems are known to have a small leak, the obvious solution is to tighten the joint or replace pipe work. However, when the location of a leak cannot be found, or is suspected to be in an inaccessible area, such as under floorboards, or in wall spaces, the work required to make good is likely to be lengthy and expensive.

Long term leaks can cause severe damage to floors, floor coverings and ceilings, and it is important to prevent the leakage as quickly as possible.

Sealed heating systems will often fail as a result of system pressure loss, as many modern boilers require a minimum 0.5 bar pressure to fire at all. Loss of pressure in sealed systems, and the consequent need to frequently re-pressurise, is often the first indication of a leak,

SYSTEM-SEAL is a simple and economical answer to the problem. SYSTEM-SEAL is a white emulsion polymer that is added to the system and allowed to disperse throughout by the normal pump circulation. Once SYSTEM-SEAL has found and penetrated the leak the presence of air causes the polymer to set into a flexible seal, preventing the loss of any more water.

#### Instructions for use:

Add SYSTEM-SEAL to the feed and expansion tank of the system after isolating the water supply and draining off 15 litres of water. Allow system to refill to ensure leak sealer enters main body of system.

Alternatively a SYSTEMSURE injector may be used to inject SYSTEM-SEAL directly into a radiator through the air bleed valve, or via a filling loop.

Switch on system and allow SYSTEM-SEAL to circulate for at least one hour for even distribution, preferably with the boiler firing.

Most leakages should be cured within 24 hours, dependent on the location of the leak and the rate of leakage. If a substantial amount of water has drained from the system, check, and if necessary, add more Systemsafe DM corrosion inhibitor to bring treatment to required level.

#### APPLICATION GUIDANCE

**Dosage:** 500ml of SYSTEM-SEAL is sufficient to treat a system with up to 12 radiators. Add more SYSTEM-SEAL in proportion for larger systems.

If system has a thermal store, add extra SYSTEM-SEAL to allow for the extra volume of primary water in the cylinder.

#### Physical properties:

Appearance: White liquid  
 Odour: slight  
 S.G. @ 20°C: 1.0  
 pH: 7.0  
 Solubility: completely miscible with water.  
 Non toxic; non irritant; non hazardous.

#### Pack sizes

cartons of 12 x 500ml

#### Benchmark

The Benchmark Scheme aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance. Installers are required to carry out installation, commissioning and servicing work in accordance with the Benchmark Code of Practice which is available from the Heating & Hot water Industry Council at [www.centralheating.co.uk](http://www.centralheating.co.uk)



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**benchmark**  
COLLECTIVE MARK  
THE MARK OF QUALITY FOR THE INSTALLATION, COMMISSIONING  
AND SERVICING OF DOMESTIC HEATING AND HOT WATER SYSTEMS

**Kamco**  
BUILDING PUMPS  
SINCE 1992

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