

5709

fast chemical additives



5709 fast chemical additives

Introduction

Altecnic fast chemical additives are suited for new and existing installations, at low and high temperatures, radiators and radiant panels.

The chemicals are supplied in a pressurised cannister for fast and easy introduction into the water system.

C3 Cleaner - it removes sludge, limescale and detritus from existing heating systems and is used in new installations for commissioning according to the required standards.

C1 Inhibitor - offers long-term protection for high and low temperature heating systems against corrosion and incrustations.

It keeps the system efficient, making frequent bleeding of radiators unnecessary and prevents cold spots forming, as well as ensuring that pumps and boilers run quietly.

Reduces maintenance costs and improves energy efficiency.

Product Range

Code	Description	Quantity per Container
570915	C3 Cleaner	400 ml
570916	C1 Inhibitor	400 ml

Characteristics

C3 Cleaner

Fluid:	liquid
Colour:	pale brown
Odour:	mild
pH:	7 to 8
Relative density:	1.15
Solubility in water:	soluble in hot and cold water
Dosage:	400 ml per 150 litres

C1 Inhibitor

Fluid:	liquid
Colour:	straw yellow
Odour:	mild - aromatic
pH:	8.2
Relative density:	1.1
Solubility in water:	soluble in hot and cold water
Dosage:	400 ml per 150 litres

Compatibility

Chemical additives are developed for the cleaning and protection of new and existing heating systems working at both high and low temperatures.

All the products are compatible with iron, steel, stainless steel, brass, copper and aluminium; they are not aggressive for plastics or rubbers, including plastic seals and piping.

Suited for all components commonly used in heating installations.

Can also be used with all types of propylene glycol.

Disposal

The container is re-cyclable.

Dispose of the contents according to national regulations.

Safety information

Keep out of the reach of children.

For more details on safety, handling and storage please contact

C3 Fast Cleaner



In existing installations it removes sludge, limescale, debris and incrustations.

In new installations it is used for commissioning according to the required standards.

Formulated for high and low temperature systems, radiators and radiant panels.

Suitable for use with system pumps and circulators and with specific washing machines.

Its formula disperses the impurities in the system to create a suspension, which can be captured in the filter or dirt separator and removed.

Installation with DIRTMAC® dirt separators is advisable in order to capture and remove the impurities.

Suited for use with the system protection product **C1 Inhibitor**.

Properties

Its neutral, non-aggressive formula contains no toxic substances; it can therefore be handled easily as it is classified as "non-hazardous".

The product has been designed specifically as non-foam forming during use. It is a buffered solution that does not harm any of the materials or components in the system.

Dosage

400 ml of product is sufficient for treating 150 litres of system water. No problems have been recorded in the event of over-dosage. The water temperature affects the duration of treatment.

Circulate for:

- min. 1 hour with high water temperature ($T > 50^{\circ}\text{C}$)
- min. 4 hours with low water temperature ($30^{\circ}\text{C} < T < 40^{\circ}\text{C}$)
- up to 1 week with cold water

C1 Fast Inhibitor



Protects new and existing installations from corrosion and incrustations.

Formulated for high and low temperature systems, radiators and radiant panels.

In radiant panel systems, it is advisable to use it in combination with a biocide.

Clean the system with **C3 Cleaner** before using this product.

Compliant with VDI 2035 (German) guidelines for chemical inhibitors.

Properties

Its neutral, non-aggressive formula contains no toxic substances; it can therefore be handled easily as it is classified as "non-hazardous".

DOES NOT contain phosphates (which could block the wet bearings in pumps and circulators), borate (carcinogenic), nitrate and EDTA (environmental pollutants).

Dosage

400 ml of product is sufficient for treating 150 litres of water in the system (around 15 radiators or 120 m² of radiant panels).

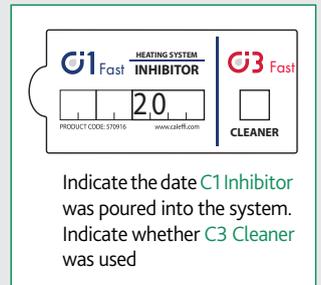
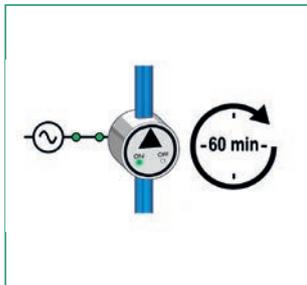
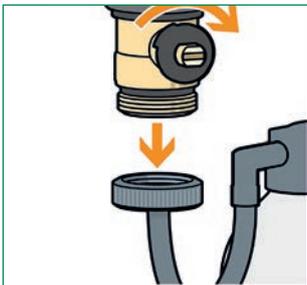
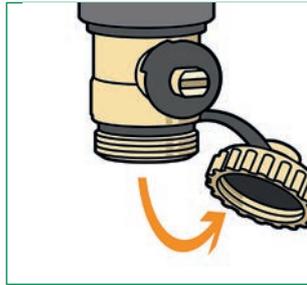
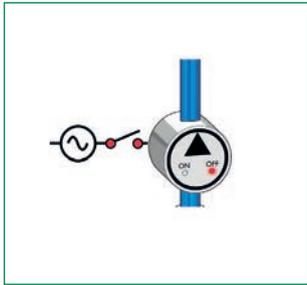
Use a double dose for systems filled with sweetened water.

No problems have been recorded in the event of over-dosage.

It is preferable to over-dose rather than under-dose. If under-dosed the treatment is not effective.

New and Existing Installations - C3 Cleaner

- 1 Turn off the circulating pump.
- 2 Unscrew the cap with the ball valve closed.
- 3 Connect the C3 Cleaner canister to the drain connection and open the ball valve.
- 4 Press the button at the top of the cannister for 20 seconds to force the C3 Cleaner into the system.



- 5 Close the ball valve and disconnect the empty cannister.
- 6 Circulate the water according to the times indicated in the paragraph "dosage". For very dirty systems, extend the cleaning time to up to 1 week.
- 7 Drain the impurities through the dirt separator until the water runs clean. Drain and dispose of the waste according to the regulations in force.

New and Existing Installations - C1 Inhibitor

- 1 Turn off the circulating pump.
- 2 Unscrew the cap with the ball valve closed.
- 3 Connect the C1 Inhibitor canister to the drain connection and open the ball valve.
- 4 Press the button at the top of the cannister for 20 seconds to force the C1 Inhibitor into the system.
- 5 Close the ball valve and disconnect the empty cannister.

- 6 Circulate the water 60 minutes to thoroughly mix the C1 Inhibitor with the system water.
- 7 Complete the label for future reference.

C1 Inhibitor can also be used without C3 Cleaner, although this is always recommended for both new and existing installations.

© Patents & Design Altecnic 2019

Altecnic Ltd retains all rights (including patents, designs and copyrights, trademarks and any other intellectual property rights) in relation to all information provided on or via the website, brochures or any other documents, including all texts, graphics and logos, contained on the website, in brochures or in any other documents published in the name of or on behalf of Altecnic Ltd in any form, without prior written consent of Altecnic Ltd.

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 2095101

altecnic.co.uk

AL 348 27-06-19

E & O.E

© Altecnic Limited. 2019

ALTECNIC™