

Zip Scale Management

Drinking water filtration



Limescale is the hard, off-white, chalky deposit found in kettles, hot-water boilers and the inside of inadequately maintained hot-water central heating systems. These types of limescale differ slightly due to their origins.

The type found deposited on the heating elements of water heaters etc. has a main component of calcium carbonate, precipitated out of the hot water. Hard water contains calcium (and often magnesium) bicarbonate and/or similar salts.

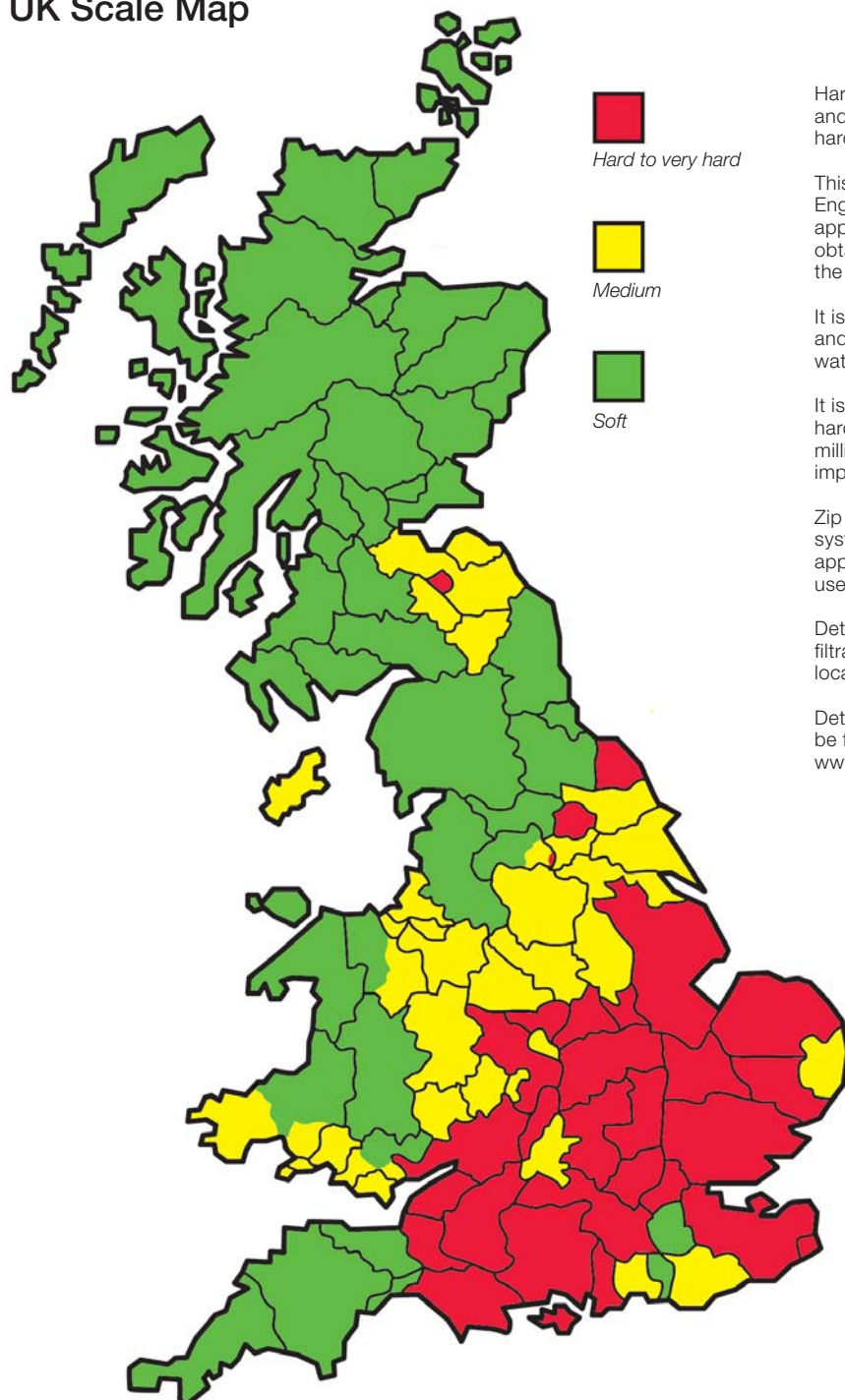
Calcium bicarbonate is soluble in water, however at temperatures above 70°C the soluble bicarbonate is converted to poorly-soluble carbonate, leading to deposits in places where water is heated. Local boiling hotspots can also occur when water is heated, resulting in the concentration and deposition of salts from the water.

As with all water heaters, limescale deposits in the Zip HydroTap can cause damage, resulting in component failure and adversely affect product efficiency.

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UK Scale Map



Hard water is not evenly distributed throughout the UK and, depending on the source of the water supply, hardness levels can change from time to time.

This map shows an indication of the hardness levels in England, Wales and Scotland. However it is only an approximate guide and accurate data should be obtained from the Water Company providing service to the area where the HydroTap is to be installed.

It is vital, in order to maintain the optimum performance and efficiency of your HydroTap, that the effect of hard water is minimised.

It is generally recognised that in areas where the hardness level is above 4 Degrees Clark (60 parts per million CaCO_3) measures to reduce the effects should be implemented.

Zip Professional high performance limescale filtration systems are designed to provide solutions for all applications, from the domestic environment to heavy use commercial and industrial premises.

Details of the Zip Professional high performance filtration systems can be obtained by contacting your local Zip Sales Manager or calling 0845 602 4533.

Details of the range with technical specifications can be found on the Zip website as a pdf download.
www.zipheaters.co.uk