



UNDER FLOOR HEATING & COOLING SYSTEMS - Water Conditioning

Are you in a HARD or SOFT Water Area?




SOFT WATER

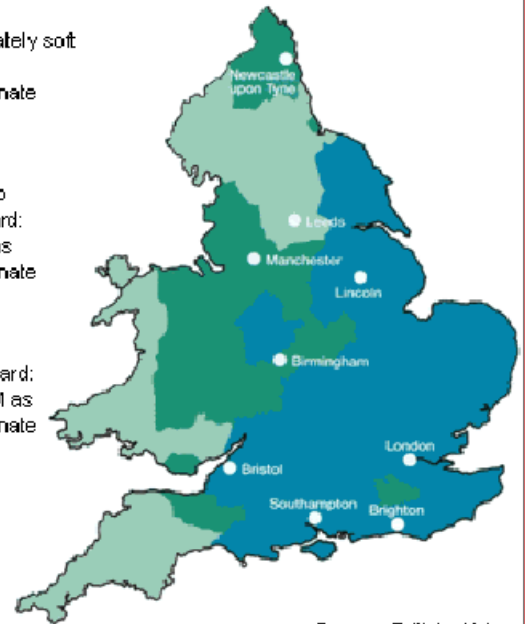
This is Water that is free from dissolved salts such as Calcium Carbonates and Sulphates. Naturally occurring Soft water is slightly acidic due to absorbed gasses such as CO₂. Soft water tends to be more pleasant for washing in, but can be aggressive to pipework, Lead in particular but causes very little damage to an under floor Heating System.

HARD WATER

This is Water that has fallen on or filtered through Calcium Carbonates or Sulphates (Chalk or Limestone). It dissolves small amounts of Calcium and carries it in suspension. This Type of Water does the most damage to an Underfloor Heating System .

Hard Water Areas in England and Wales

-  Soft to moderately soft: 0-100mg/l as calcium carbonate equivalent.
-  Slightly hard to moderately hard: 100-200mg/l as calcium carbonate equivalent.
-  Hard to very hard: above 200mg/l as calcium carbonate equivalent.



Source: British Water

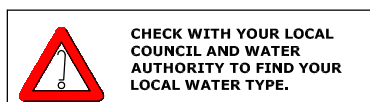


To ensure that your underfloor heating/cooling system runs as efficiently as possible and to prolong the life of your system & components we advise that you check that your heating/cooling system water is treated with the required concentration of both RUST INHIBITOR & LIME-SCALE INHIBITOR and the levels are checked when the boiler(heat source) chiller (cold source) is commissioned and again each time it is serviced.



New Valve

Valve Showing deposits of Lime-Scale and Rust due to the Underfloor Heating running in HARD Water.



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