Pressure Testing UFH

When testing an in-floor heating system pipework. it should be water filled and pressurised to a pressure between 5 & 6 Bar at least until the concrete is cured, we recommend for the duration of the build.

Why ..

- As with all the major pipe manufacturers we advise that pipework be filled with water not air. Carrying out a pressure test with air instead of water is a common mistake to be avoided. It does not allow pipes laid in the floor to hydraulically expand, this is simply because unlike water air can be compressed.

- Secondly Pipework tied to mesh will try to float if it is not filled or is filled with pressurised air they can potentially lift to the surface. The weight of water will prevent any potential lifting.

- leaving the system with water will also make the identification of any damage instantly visible (for example Dyna-bolt drilling damage during the framing).

Note 1 In frost prone areas the system may require protection from freezing via the inclusion of the required level of glycol.
Note 2 Pipes should not be exposed to UV for a prolonged period before concrete is placed. We recommend covering if exposed for more than three or four days.
Note 3 Exposed manifold tales should be protected from long term UV exposure by wrapping in (not clear) plastic or similar