

Testing and Commissioning of Type C system

Commissioning

The Commissioning of a Type C waterproofing system is considered the point where the permanent sump pumps and associated components of the Type C. waterproofing system become operational and the system is fully functioning.

We recommend at the point of commissioning the following steps are followed and recorded:

- The installing Contractor(s) should provide certificates of competence on the installation of the Type C System (this may be proof of training/Manufacturer's Registered Contractor Certificate).
- Prior to installation of any Type C membranes, the structure should be "locked down" to provide primary resistance to water.
- Concrete structures (especially newly poured concrete) have been treated with an "anti-lime" inhibitor to reduce risk of leaching of free lime & mineral salts.
- Before floor membranes are laid, the floor/substrate should be flood tested to confirm all water runs freely to collection points.
- The Waterproofing System has been designed to be maintainable – and these aspects must be incorporated into the Waterproofing Designer's design.
- Installation and Inspection of drainage channels and sumps should be cleared and tested.
- It should be noted that mechanical devices, such as the sump pumps will fail eventually. We recommend the client should be made fully aware of the life expectancy of the sump pump system at the design stage and again, as part of the hand over pack at the point of Commissioning.
- Confirmation to be submitted /logged on site.



Certification & Documentation

The servicing requirements for the waterproofing system should be clearly set out in the documentation supplied by the Waterproofing Designer to the client, including the need for regular planned maintenance of the drainage and/or pumping systems.

A Commissioning Certificate for the pumps, flood test confirmations, copies of maintenance schedule(s), manufacturer's Installation Guides & Operating Manuals for pumps/pump systems, Product Guarantees, Contractor Guarantees and Insurance Backed Guarantees should form a requisite part of the client O&M manuals for a Type C, Drained Protection System. (These may also be a requirement for Warranty Providers).

In instances where further works are to be carried out by a third party (such as, but not limited to internal finishes) the installing Contractor(s) may wish to undertake the final Commissioning of the Waterproofing System and "handover" after these third-party works have finished.

