

# **Professional CV**

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## **Summary**

I'm a Chartered Building Engineer and Chartered Construction Manager. I have a Masters in Materials Science and Engineering, a Post Graduate Diploma in Surveying Practice and numerous industry qualifications. I have been a Certificated Surveyor in Structural Waterproofing (CSSW) since 2013 and am now an examiner for this qualification. I am the Technical Director of CSSW.LONDON. About half of my day-to-day work relates to design and defect diagnosis of basement structures. I also provide consultancy around dampness in buildings and timber decay through Property Care Consultants Ltd.

Following peer review I have published a technical paper on waterproof concrete for basements in the ICE Construction Materials Journal. I presented at the 2018 International Waterproofing Conference and was invited to debate on the expert panel the revision of BS 8102.

## **Qualifications/Training**

- Completed RICS Expert Witness Training (Advanced Professional Award in Expert Witness Evidence)
- Member of the Chartered Association of Building Engineers (Chartered Building Engineer)
- Member of the Chartered Institute of Building (Chartered Construction Manager)
- MEng in Materials Science with Business and Management (1<sup>st</sup> Class) from University of Manchester
- Post Graduate Diploma in Surveying Practice (Merit) from the College of Estate Management
- Certificated Surveyor in Structural Waterproofing from the Property Care Association

## **Expert Witness Experience**

I've acted as an expert advisor/witness on at least 12 cases in the past year. Recent cases related subjects including waterproofing design, cavity drain membrane systems, waterproof concrete, buried roof waterproofing, dampness in buildings as well as workmanship related issues relating to concrete compaction, construction quality management on spray application of waterproofing and movement joints, dry rot and timber decay, condensation and rising damp

## **Technical Experience**

I've completed structural waterproofing designs and design reviews on a wide range of projects ranging from single residential dwellings to basements extending between tower blocks. Experience includes cavity drain membrane systems, watertight concrete and waterproofing membranes.

- Structural Waterproofing Consultant on Phase 2 of Sovereign Court (London, UK) [£180m]. This project incorporates a double storey basement of secant piled walls and watertight concrete. I had protracted discussions with NHBC on this scheme and obtained a relaxation of their requirements on the concrete.
- Client-side advisor on £12m arbitration regarding failed waterproofing to a scheme in Dubai
- Brief consulting on waterproofing for the refurbishment of 55 Moorgate (London, UK). This double storey basement is of secant piles with a blockwork liner wall.
- Structural waterproofing consultant on St John's Quarter (Manchester, UK) [£1bn]
- Advise on dampness and condensation relating to a regeneration scheme in (Kesteven, UK) [£8.9m]
- Design and site supervision of treatment for rising damp and dry rot to a series of Grade 1 & 2 Listed Buildings (Bedford, UK)
- Timber condition report to a Grade 2\* Listed Hangar (Bedford, UK) [£10m]