



## Beautiful Basements Case Study Structural Waterproofing - Fort Dunlop, Birmingham

**Client**  
**Waterproofing Designers**

**Urban Splash Limited**  
**Beautiful Basements**

### Background

Following leaks to the underground bridge link store area Beautiful Basements was commissioned to design and install a remedial waterproofing system to prevent the basement storage areas from flooding. The project proved difficult because the main problem was water seepage from above. The developer had already tried to strip off the layering which hadn't solved the problem because the movement from the structural members was inducing cracking in the layers above.

### Waterproofing Method

Type C – Cavity Drainage Membrane System

Internally all walls and floor were lined with a cavity drainage membrane and linked to an internal sump and dual pumping stations.

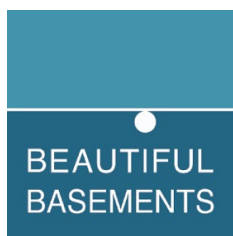
A specially designed curtain hung membrane was applied to the soffit in the offices for additional protection from water ingress.

The space is now fully utilised by administration and post rooms for Fort Dunlop and has remained completely dry for the past 12 years.

All waterproofing materials were supplied by Safeguard Europe

### Build Programme

3 weeks



**Basement Build  
Conversion  
Retro-fit  
Waterproofing**

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