

# PCA Case Study

## Structural Waterproofing

### THE PROJECT

**Waterproofing project: Ground floor flat refurbishment, including sub floor area, West End Glasgow.**

### THE CHALLENGE

The owners had purchased a ground floor flat in Glasgow's West End. They discovered a sizeable sub floor area which they decided to convert into a habitable area. The client did not want to disturb foundations, so engaged the services of a structural engineer, a structural waterproofing manufacturer (John Newton & Co) and a specialist structural waterproofing installer (Richardson & Starling).

### THE SOLUTION

The engineer designed a new raised ground floor level, using structurally designed support beams, which gave the 'basement floor' the required habitable height. The structural waterproofing system was designed and installed by a specialist basement contractor incorporating a cavity drain membrane and a sump and pump drainage system.

### THE RESULT

The once unusable sub floor void has been developed into a fantastic habitable space. This has been achieved with the vision and determination of the client and the ingenuity of the engineer, manufacturer and specialist installer.



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[www.property-care.org](http://www.property-care.org)

The Property Care Association (PCA) is a trade association that represents professional specialist contractors, consultants, surveyors and manufacturers in the field of structural waterproofing, wood preservation, damp-proofing, flood remediation and structural maintenance. Its members preserve and protect buildings across the UK.

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