



Christian Dior, New Bond Street Structural Waterproofing

The Project

This project consisted of the internal and external waterproofing of the basement area of Christian Dior's newest and most prestigious flagship outlet in New Bond Street, Central London.

The extensive basement area is to be used as stock rooms, changing rooms, and staff and shop floor areas, and a completely dry internal space was therefore required.

The Solution

As a completely dry, Grade 3, internal environment was required, Newton consulted with design specialists [GO5](#) to recommend a combination of Type A and C waterproofing systems.

Newton Specialist Basement Contractor, [Advanced Preservations Ltd](#), pre-applied the hydrophilic, fully-bonded [Newton 403 HydroBond](#) membrane below the new concrete slab, which was then linked to the cementitious, flexible [Newton 107F](#).

Following the Type A application, the Type C [Newton CDM System](#) was applied to the internal wall and floor areas. The system also included perimeter drainage using [Newton Basedrain](#) and two [Newton Titan-Pro](#) pumping systems.

The Result

The waterproofing system conformed to the recommendations of BS 8102:2009, where a Grade 3 internal environment requires combined waterproofing protection where leakage is unacceptable.

Entirely fit for purpose and use by Christian Dior staff and customers, the installation is fully guaranteed by Advanced Preservations to give peace of mind.



The impressive interior of the prestigious finished store on New Bond Street.



Below ground level at construction stage on the Christian Dior project site



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The Products

403 HYDROBOND

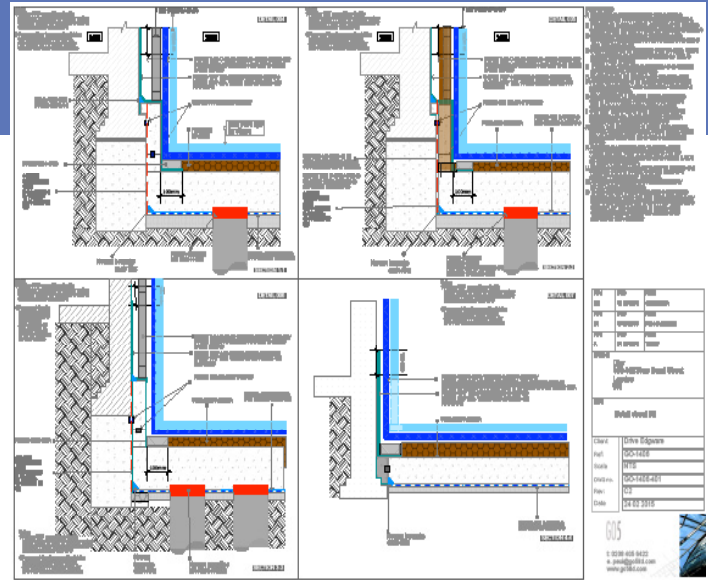
[Newton 403 HydroBond](#) is a very high performance composite sheet membrane that features a locking fleece to one side and a polymer hydrophilic coating to the other side. It is suitable for application under reinforced concrete rafts and pre-application to reinforced concrete retaining walls.

SYSTEM 500

The professional's "waterproofing system of choice", [Newton System 500](#) is an internally applied waterproofing system based upon Newton's extensive range of cavity drain membranes, drainage conduits and sophisticated pumping and control systems. It is a maintainable system, so complies with the BS 8102:2009 Code of Practice for The Protection of Structures Against Water from the Ground.

107F

[Newton 107F](#) is a two-component, cementitious, polymer-rich coating for the waterproofing and protection of concrete and masonry.



Some of the detailed technical drawings, as supplied by G05.



The Newton CDM System completely protects the store.



The installation is guaranteed by NSBC Advanced Preservations.

Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.



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