



Park Avenue Housing Development

External Waterproofing With Newton 403 HydroBond

The Project

[Crest Nicholson](#) were responsible for the development of Park Avenue in Sunbury-on-Thames, a combination of 193 apartments and spacious executive homes. The site was the old training ground for the London Irish Rugby Club.

The Solution

[Newton 403 HydroBond](#) was applied to this development to provide a complete waterproof envelope to the structure to provide a Type A (barrier) waterproofing solution suitable for Grades 1, 2 and 3 as defined by BS 8102:2009.

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.

The Result

HydroBond is suitable for use around below ground reinforced concrete structures, and the self-healing and fully bonded membrane protects the slab from water ingress via shrinkage cracks. Heavy objects can be placed on top of HydroBond.

If the membrane is damaged/ punctured by 10mm or more a simple repair can be made by applying a patch and securing with HydroBond tape. Once HydroBond has been laid on to the oversite substrate, reinforcement steel can be placed on top ready for the concrete.



There will be 193 apartments and homes.



403 HydroBond is a self-healing waterproof membrane



"Newton HydroBond is a very robust, unique and easy to install system. Newton Waterproofing Systems provide training and backup where needed, which ensures the product is installed correctly, and makes certain that the final structure is fully waterproof. The directors and staff at Newton are helpful, friendly and very co-operative. I would not hesitate to recommend this superior product to our clients on future developments"

Paul Dennison, Buxted Construction

The Products

NEWTON 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.



For good practice, concrete spacers are placed on top of the 70mm lap to reinforced this joint



When placed below a new raft, the poured concrete engages into the locking fleece

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.



The development offers large and luxurious homes.



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