Leading suppliers and advisors of specialist construction products across Europe.

**BENEFITS OF HYDROCRETE**

- Hydrocrete is a hydrophobic, pore blocking concrete admixture which is used to reduce permeability and water absorption. It is supplied in powder form and is added to ready mixed concrete at the batching plant.
- Hydrocrete is a unique double-action formulation which effectively lines the pores and capillary structure of the cement. This reverses the capillary suction that normally happens and physically blocks the capillaries when subjected to hydrostatic pressure.
- Hydrocrete can reduce costs, since the concrete itself is the “membrane” eliminating the need for a separate waterproofing system to be installed. Structurally integral waterproof concrete is maintenance-free and cannot be damaged and will last for the lifetime of the structure.
- Hydrocrete water resistant admixtures have been shown to reduce the risk of corrosion of reinforcing steel in concrete subject to aggressive environments due to it being chlorine free.

- Hydrocrete is compatible with all Portland cement systems including GGBS, Pfa and limestone blends. Hydrocrete is compatible with all Premcrete admixtures but should be added to the mix separately.

**ASSURANCES**

- 25 year Product Warranty
- Design Service
- £10 million PI Insurance Cover
- Full Training Provided
- Robust Site Inspection Regime

**PREMTRAC - A BESPOKE SOLUTION**

The success of any waterproofing project is entirely dependent upon operating a robust quality control regime from design through to completion. Premtrac is the online tool you need to manage quality on your project and boost confidence with your clients.

**KEY FEATURES**

- Technical Literature Upload
- Personnel Training Records
- Project Specific Detail Upload
- Unique Plan Mark-up Facility
- Online Quality Control System
- Photographic Evidence Upload
- Communications Log
CASE STUDY
Next Flagship store

Summary:
Structural Waterproofing to the whole structure including retaining walls in basement

Client:
Next Plc

Architect:
Stride Treglown Ltd

Main Contractor:
Midas Group Limited

Engineer:
Calcinotto and Associates

Distributor:
FIS Products

BACKGROUND
The office of Stride Treglown were first approached in early 2013 by Midas Construction, to act as their architects for this new Next store. Due to the complexities of the site, special attention was given to the waterproofing details.

THE SOLUTION
Premcrete were able to meet all the requirements of the project, by providing a comprehensive design service. A complete waterproofing system was proposed in accordance with BS8102:2009, which fulfilled their objective.

Hydrocrete concrete was utilized and all construction joints were sealed using Hydrostop BR, a hydrophilic waterstop. Lift pits were waterproofed using Hydroprufe 3000, a self-adhesive HDPE membrane. The ground floor slab was waterproofed using Hydroprufe DPM.

Premcrete worked closely with the construction team and inspected the works regularly throughout the installation period, which enabled a full warranty to be produced upon completion.

The Premcrete range includes a full spectrum of certified waterproofing membranes, coatings and other systems which may be combined to provide high level protection in critical situations. The design of structural waterproofing systems is carried out in house by CSSW Qualified Technicians.

Hydrocrete is satisfactory for use in concrete mixes at an addition rate of 1.95kg bag per cubic metre of concrete, to provide watertight concrete for basements, swimming pools, tunnels and culverts without the requirements for additional applied protection.

Hydrocrete has been formulated for use in concrete with a minimum cement content of 350 Kg/M3 and a maximum water/cement ratio of 0.45. If the addition of a high range water reducer/superplasticiser is required then consult the Premcrete technical department for specific advice. The addition of the Hydrocrete additive will not affect the setting time of cement nor cause corrosion of steel reinforcement and its use in no way departs from good concreting practice.

Concrete containing Hydrocrete should be designed in accordance with BS EN 206-1: 2000 and BS 8500-2: 2006.

We provide bespoke detail drawings and operate an inspection regime during installation that allows a project warranty to be issued upon completion. This is complimented by Professional Indemnity Insurance Cover to the value of £10 million, to provide complete peace of mind. By using Premcrete you will be able to take advantage of a single design and warranty covering Type A, B and C systems, removing any potential for disputes should different manufacturers waterproofing systems be involved on the same project.

Seymour House, Mayflower Close, Eastleigh, Hampshire, SO53 4AR
Tel: 02380 276166   Email: sales@fisproducts.co.uk
www.fisproducts.co.uk