

Ultra™ series

WaterTight



bringing materials to *life*™



WaterTight is an integrated full bodied waterproofing system that includes a pore blocking system to protect the concrete from water penetration. Ideal for foundations, basements and structures in continuous contact with water or abrasive environments.

Applications:

The product can be used in many specific construction types, including:

- All underground applications.
- Reservoirs.
- Sewage and water treatment tanks.
- Tunnel and subway systems.
- Swimming pools.
- Foundations.
- Basements.
- Marine structures.
- Car parks.
- Commercial roof structures.

Advantages:

- Cost effective, reduces labour costs and possibly requirement for external membranes.
- Easy to place.
- Increased durability for the structures in constant contact with water.
- Low permeability, less than 35mm of water penetration under pressure.
- Helps stop corrosion of steel reinforcement.
- Reduce problems with the water penetration in the structures (humidity stain).
- Achieves specific ranges for coulomb ratings for permeability.
- Adds a permanent integral crystalline structure that fills capillaries and pores and can bridges micro-cracks up to 0.4 mm.
- Additional protection against the attack of aggressive agents, like a consequence of the capillary absorption reduction.

Technical features:

- Water cement ratio 0.4-0.55.
- Consistence class S2 to S4.
- High strength performance.
- Can be pumped.

product	permeability	Coulomb Rating at 28 days	Air Entrainment	Max W/C Ratio	Slum ± 25mm	Notes.
Watertight 35	< 50 mm	1000-1200	4-7%	0.55	125	Not suitable for Saturated conditions
Watertight 40	< 30 mm	800 – 1000	4-7%	0.45	125	suitable for Saturated and non saturated conditions
Watertight 45	< 20 mm	700 - 800	5-8%	0.40	125	Concrete for which protection against corrosion and reinforcement is deemed critical

“We aim to deliver an excellent customer experience through service, quality, accountability and value“



General Guidelines

- WaterTight concrete will behave in a similar way to conventional concrete. Good concrete site practices should always be maintained.
- Ensure that the concrete is ordered at the correct slump / workability for your chosen application.
- The water cement ratio has significant impact on the performance. The addition of water on site is therefore to be strictly avoided as it altered the performance of the product.

Safety Precautions:

The use of safety goggles, gloves and suitable footwear is recommended when placing concrete.



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