

# Ultra™ series

## WaterTight



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 bridge 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	water permeability*	water Permeability at 28 day	Air Entrainment	Max W/C Ratio	Slum ± 25mm	Notes.
Watertight 35	< 50 mm	less than 3000 coulomb	4-7%	0.55	125	Not suitable for Saturated conditions
Watertight 40	< 30 mm	less than 2000 coulomb	4-7%	0.45	125	suitable for Saturated and non saturated conditions
Watertight 45	< 20 mm	less than 1000 coulomb	5-8%	0.40	125	Concrete for which protection against corrosion and reinforcement is deemed critical

\* Permeability less than 10mm according to request

*“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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