



PROJECT CASE STUDY

Colwyn Bay Watersports Hotspot

- Architect: K2 Architects
- Client: Conwy Council
- Contractor: Wynne Construction
- Specialist Installer: Waterseal



Colwyn Bay Watersports Hotspot is part of the redevelopment of the promenade by Conwy CBC, providing a new watersports facility on the seafront. K2 Architects consulted RIW on the project.



The Challenge

This site is situated within five metres of the seafront in Colwyn Bay, with a large deck area requiring waterproofing in extremely wet conditions and in a marine environment.

A polyurethane applied membrane was initially considered as part of the waterproofing strategy but this was rejected as, the majority of the time, the deck would be wet and damp during application. This was especially relevant as the application of the membrane was carried out by Waterseal during July/August 2012, one of the wettest summer periods on record.

The fact that subsequent trades would have to travel over the completed application, putting the membrane at risk from damage, also meant that a different solution was required.

The Solution

Following a site visit by an RIW Technical Advisor, RIW Cementseal was put forward. This allowed the application to be undertaken when the deck was wet/damp, with no delays in the build schedule. The RIW Cementseal is applied to horizontal areas in a single 2mm application, thus application time is considerably reduced when compared to a two coat membrane. Fast curing also allows subsequent trades to access the deck much quicker. RIW Cementseal provides enhanced resistance to carbonation which in a coastal environment is extremely important.

The RIW Cementseal provided an impact resistant application, which allowed the deck to be trafficked by subsequent trades without the risk of damage to the membrane. RIW Cementflex was applied around balustrade fixing plates to ensure any differential movement could be accommodated and RIW Cementjoint was

used over day joints to provide crack control and minimise cracking to the surface of the membrane.

Featured Products

RIW Cementseal

A two component polymer modified cement based waterproof coating with excellent adhesion to prepared concrete and masonry substrates. It hydrates to form a durable, highly alkaline, tough waterproof coating which protects the concrete, or other substrates, from water penetration and carbon dioxide diffusion.

RIW Cementflex

A two component, cement based, polymer rich and flexible waterproof coating with excellent adhesion to prepared concrete and masonry substrates. With the same properties as Cementseal but also accommodating movement in cracks. The elastomeric coating maintains its flexibility under permanent immersion and when exposed externally.

RIW Cementjoint

An advanced, elastomeric, highly tear resistant, breathable, composite waterproof tape. When embedded in RIW Cementseal, it gives a highly flexible, impermeable seal over 'live' cracks and expansion/construction joints.

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