

Sports Pitch Podium Waterproofing

Erith Hill Primary School, Erith

SCOPE

// Hot Melt Waterproofing

DETAILS

// Rooftop of a ground floor car park

// Waterproofing to some 3,600m² to podium deck roof slab

// IKO Ecowrap PermaTEC hot melt waterproofing system

Case Study // Roofing

Client | **Anderson Group**
Role | **Specialist Sub-Contractor**

Before: Exposed & Unprotected Decks

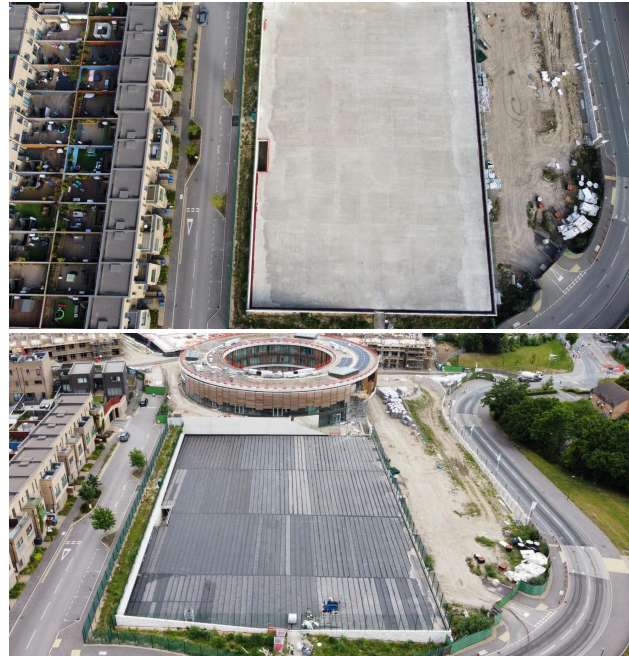


During: Sand Faced Capping Sheet Installation

The scope of this project was to waterproof the podium deck roof slab which was constructed 4 years ago with a ground floor car park, used by the school's staff, underneath.

Due to the 4 years which had passed with the concrete slab roof being unprotected and exposed, bonding tests were conducted to ensure the material and concrete had bonded sufficiently to guarantee there would be no water ingress into the car park below and that the concrete was

Before: Podium Concrete Deck Above a Car Park

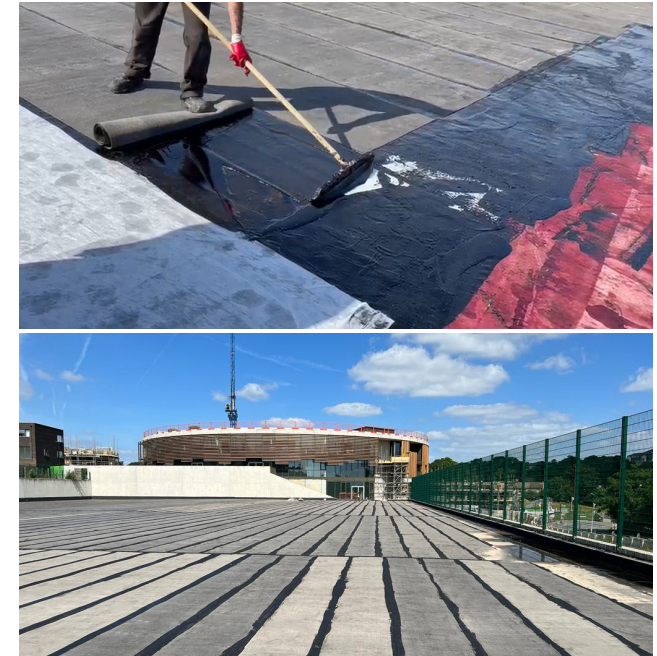


After: Ready For Installation of a Sports Pitch

suitable to be laid upon. The roof was cleaned of any dust and/or debris before a quick drying primer was applied to not only prepare the deck but to enhance the bond of the membrane and concrete substrate.

This was followed by the application of IKO's Ecowrap PermaTEC hot melt waterproofing system to over some 3,600m² with a sand face capping sheet used to cover the main deck with mineral felt being used on the exposed upstands. This robust system created a completely

During: Application of Hot Melt Waterproofing Layer



After: Fully Protected & Waterproofed Podium Roof

seamless, fully reinforced waterproofing layer to the insitu concrete slab with a service entry and 12 drains.

The overall project will finish by the end of the year with the installation of an artificial all weather sports surface over our structural waterproofing system for the use of the school and the local community. Our works were completed within 5 weeks and within our clients budget.

For further advice and/or information regarding ALL of our services, please visit www.cemplas.co.uk.

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