

DECSEAL[®] system wins waterproofing gold at 2012 Olympic games

Olympic Delivery Authority protects car park using DECSEAL[®]



Project	2012 IBC Media Centre MSCP, UK
Client	Olympic Delivery Authority
Contractor	Bryne Bros
Authorized Contractor (Waterproofing Applicator)	Stirling Lloyd Construction Ltd
GCP Solutions	DECSEAL [®] and SAFETRACK [®] LM systems

Project

Olympic Deliver Authority sets the bar high

In the summer of 2012, all eyes were on the prestigious new Olympic Park in London for the Olympic Games. The Olympic Delivery Authority (ODA) ensured that building works carried out on all of the Olympic developments were of the highest standard and that every aspect of the development work was fastidiously planned and delivered.

One such critical aspect was the management of water, especially in the northern part of the Olympic Park. The latest techniques were used to manage rain and flood water, and this was an important consideration during the development of the multi-story car park of the Olympic Media Centre.

Challenge

Olympic Games Needs Cold Applied Waterproofing

During the Games, the Olympic Media Centre supported thousands of broadcasters, photographers and journalists who covered the games to the world. Ensuring the safety and smooth running of the games was a vital consideration. As such, the Olympic Delivery Authority required a high quality waterproofing system to surface the decks of the Media Centre's car park.

The selection criteria included that the system chosen could be applied in cold temperatures and would offer lasting protection. Developed by Stirling Lloyd (now GCP Applied Technologies), the proven **DECSEAL**[®] waterproofing system was selected to protect the structure's 12,500m² of surface area. This lightweight, fully reinforced waterproofing and wearing course system was applied to the decks of the car park to provide long-term waterproofing protection with an aesthetically pleasing finish.



Solution



Waterproofing project completed on time and on budget

The work started in February 2010 and was completed in July of that year. The application was relatively straightforward since this was a new build. Deck preparation involved ride-on captive blasters and tensile tests to confirm that there was a high bond strength between the membrane and the deck. Following the application of the waterproofing solution, detection tests were done to confirm waterproofing integrity.

To complete the surfacing of the deck and demarcation, Stirling Lloyd Construction also applied the line markings. The firm used **SAFETRACK[®] LM** Durable line marking in yellow to complete the works and mark out the parking bays.

The rapid application and curing of the **DECSEAL[®]** and **SAFETRACK[®] LM** systems, based on unique **ESSELAC[®]** advanced resin technology, enabled the project to be completed ahead of the program schedule and within budget while also offering long-term durability and color stability.

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