

Business Unit: Concrete

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Sika Protects Prestigious New Jersey Development

The £68 million first phase of a prestigious new development, consisting of two blocks of luxury apartments and commercial space, has recently been completed by Dandara, on an area of abandoned industrial land, right on the St Helier waterfront in Jersey.

Sika Watertight Concrete was a key ingredient in the construction of the underground car park on the project, which extends for two levels below ground, and which is in constant contact with the tidal flows, with the highest tides reaching the level of the higher basement floor level.

Ronez supplied in excess of 4,000 cubic metres of Sika Watertight Concrete to the project. Construction of the basement car park presented a real challenge. Because of the considerable tidal movement, work had to be timed to coincide with low tides, as the basement area was under water at other times.

With the building now complete, the car park is completely dry, with the watertight concrete providing a protective watertight shell. BBA approved Sika Watertight Concrete reduces the water content of the mix and in turn the amount of capillary pores, and a pore blocker to block the remaining pores. This produces an extremely effective watertight concrete solution, in this case keeping water out, but in other situations is equally capable of keeping water in.

Construction joints were sealed using metal water stop or the SikaSwell jointing system.

Award winning Castle Quay was designed by Eric R Kuhne & Associates and Axis-Mason Architects, working together with structural engineers Walsh Associates. It contains 341 luxury apartments, together with 75,000 sq ft of commercial space, bringing together residential with retail, restaurants, office and entertainment. The two level basement car park has 439 spaces, designed mainly for residents but incorporating 70 public spaces.



Press Release

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Note to Editors:

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Photographs attached:



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Castle Quay, St Helier



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