



Waterproofing Systems and Technical Solutions



River Isles Residences

The River Isles is a deluxe and grand condominium with a magnificent view. It is conveniently situated right at the heart of the lush water town in Punggol with its units facing 3 costal promenades and a 4.5 km waterway. In River Isles, the facilities are creatively organized around the concepts of islands namely ; Caribbean Island, Paradise Island, Explorer Island and Wellness Island. This mid size residential project site is situated on an area of 20,256 square meters, has 9 blocks that are 17 storey high, housing 610 units. A large two level basement carpark, requiring approximately 4,000 m³ of waterproofed concrete, was designed to connect all of these tower blocks, allowing resident a weatherproof access from their carpark directly to their individual homes, and branching out to allow access to various parts of the estate. Due to the tight work schedule for the basement, the architects wanted an effective and easy to install waterproofing system that does not delay the progress of work on site and saves on labour when compared to other waterproofing system in the market. DAVCO K11 CWA was proposed as the «waterproofing installation» is done off site. This happens when DAVCO CWA powder admix is dozed directly into the fresh concrete at the concrete batching plant, giving the concrete excellent water- proofing properties that is able to withstand the high hydrostatic pressure that exist around the carpark basement. After mixing in the required dosage of DAVCO K11 CWA, no additional process is needed, and the concrete is ready for direct placement on site. Cubes are cast from sample batches of the concrete and the effectiveness of the waterproofing system is also conveniently monitored and verified by subjecting these concrete cubes to the required hydrostatic pressure in a certified laboratory.

APPLIED PRODUCT



- DAVCO K11 CWA

TECHNICAL DETAILS

- Surface : 4,000 m³
- Volume : 12,200 kg

> LOCATION

Singapore

> CUSTOMER

Qing Jian Group Co Ltd

> MARKET SEGMENT

Admixture / Concrete Treatment

> SUBSEGMENT FUNCTION

Waterproofing

> YEAR

2014

BRAND



Davco

PAREX
Building expertise, together