



Dragons Range: Ten 30 storey towers & 970 units , waterproofed by Fosroc systems in all locations.

THE PROJECT

The Dragons Range project is located at Kau To Shan, HK. This US\$258 million (HK\$ 2 Billion) Project has a site area of 23,056 m², and includes the construction of a prestigious residential development with ten 30 storeys towers and 970 units.

The project has a deep basement built with pipe pile wall against the mountain, and a large podium with extensive greening and landscape areas, water features, swimming pool, vehicles and EVA roads etc. The client is looking for a reputable waterproofing supplier that can provide a one stop waterproofing solution meeting all the stringent waterproofing requirements of the project.

THE SOLUTION

Fosroc, being the waterproofing expert, is able to provide a comprehensive and custom made waterproofing solution. E.g, the Proofex Engage key lock membrane for basement pipe pile wall where no outer site spaces are available. The root resistance and toughness properties of Fosroc Polyurea WPE for the greenery and vehicles traffic areas. The summary as below :

Locations	Fosroc Waterproofing System
Basement External Tanking	"Proofex Engage"
Basement Internal Drainage system	"Proofex Sheetdrain 100"
Flat Roof, Upper Roof & Balcony	"Nitoproof 600PF"
Podium Driveways/EVA Road	"Fosroc Polyurea WPE"
Podium Planters & Landscape	"Fosroc Polyurea WPE" & "Proofex Sheetdrain 100".
Water Features, Swimming Pool, Water Tanks	"Nitocote CM210"
Bathroom, Kitchen, all wet plant rooms.	"Brushbond FLXIII"

As quoted by the client, Fosroc’s comprehensive waterproofing solution, eliminates their concerns on warranty and compatibility issues by different suppliers.

THE BENEFITS

The waterproofing work is ongoing and Fosroc is providing technical support on waterproofing design and detailing. The client is satisfied with the waterproofing systems that upcoming new developments have specified the Fosroc waterproofing systems.

DRAGONS RANGE

Kau To Shan, Hong Kong.

Client : Kerry Property, Sino Property, Manhattan

Architect : DLN Architect.

Contractor: Hsin Cheong Construction Ltd.

Sector : Residential

Date : 2014-2015

PRODUCTS

- Proofex Engage : 23,000 m²
- Proofex Sheetdrain 100 : 30,000 m²
- Fosroc Polyurea WPE : 24,000 m²
- Nitoproof 600PF: 6,500 m².
- Brushbond FLXIII : 68,000 m².
- Nitocote CM210 : 16,000 m².



'Proofex Engage' applied on Basement (Pipe Pile Wall) & Floor Slab.



'Fosroc Polyurea WPE' applied on Large Podium Deck with Planters, water features and Vehicles Roads.



Left : 'Proofex Sheetdrain 100' in Basement internal & Planters.
Right: 'Nitoproof 600PF' on roofs.