

Park Hyatt Hotel

Melbourne, Australia (1997)

BACKGROUND

Maximizing the footprint of a property on a given piece of land is one of the most important aspects of building. The larger the property, on most occasions, the more return-on-investment (ROI) realized. This particularly stands true for the underground space and parking structures located within a building. The bigger the footprint, the more vehicles you will be able to have on your property at any given time. The more vehicles on your property, the more people there, and again, the more realized income achieved.

The Park Hyatt Hotel and Condominium Complex engineers went into their project understanding that the footprint of their building is paramount to overall success. The complex at Cathedral Place had five levels of underground parking. The structure was designed to extend to each of the site boundaries and conventional tanking of the building could not be considered.

SOLUTION

The use of Kryton's Krystol Internal Membrane™ (KIM®) concrete waterproofing admixture to tank the building allowed maximum use of the available site as the concrete was placed directly against the excavation wall and no other waterproofing method was necessary. Construction began with the use of 2,400 m³ (84,755 ft³) of KIM treated concrete, which required 12,000 kg's (12 t) of KIM - not a tiny sum.

In using KIM, the project team was able to capitalize on the space provided with not using an external membrane, enabling them to maximize their foot print on the allotted property. The application of the KIM treated concrete has been inspected every year since 1997 and the parking structure remains completely dry.

OWNER/DEVELOPER

Lustig & Moar Group

ARCHITECT:

The Buchan Group

ENGINEER:

Bonacci Winwood Group Pty Ltd.

CONTRACTOR:

Grocon Pty Ltd.

READY-MIX:

Grollo Premixed Pty Ltd.

DISTRIBUTOR:

Kryton Australia Pty Ltd.

PRODUCTS:

Learn more at kryton.com
Krystol Internal Membrane™ (KIM®)



The Park Hyatt Hotel and Condominium Complex got an enhanced building footprint by using KIM instead of a surface applied membrane.