

# Westfield Sydney Shopping Centre

Sydney, Australia (2011)

## BACKGROUND

The design for the Westfield Sydney Development was the result of an international design competition. John Wardle Architects was selected from a pool of six international and local architects.

The design will integrate Westfield Centrepoint and the Centrepoint Convention Centre; Imperial Arcade and Skygarden, provide a new office tower at 85 Castlereagh Street and an extensively modified and refurbished tower at 100 Market Street.

One of the objectives for this development was to provide an efficient construction process that would be environmentally responsible.

## SOLUTION

On the recommendation of contractors, Kryton's Concrete Waterproofing System was selected to waterproof the basement walls, lift pits, water tanks and cool-rooms of the shopping centre at the site. Krystol Internal Membrane (KIM) was applied to 350 cubic metres of concrete.

KIM is an environmentally-friendly alternative for creating waterproof concrete and was able to help meet the developers objective of an environmentally construction process. KIM extends the life of concrete structures and enables the future recycling of concrete materials. Unlike most membranes and some other integral waterproofers, KIM contains no volatile organic compounds and is non-toxic and safe for contact with potable water. Kryton's integral crystalline admixture promised not only to save time and money but also to contribute to the overall environmental sustainability of the project.

The project is scheduled to be completed in 2012 and will house 130 fashion and food specialty stores including some the biggest style icons such as Gucci, Hugo Boss, Mulberry and DKNY, as well as Australian retailers CUE, Wanted Shoes, Zimmerman and Carla Zampatti.



*Kryton's Krystol Internal Membrane was used to waterproof the perimeter of the shopping centre.*



*The redevelopment is expected to be completed by the end of 2014.*

### OWNER:

Westfield Ltd

### ARCHITECT:

John Wardle Architects

### STRUCTURAL ENGINEER:

Hyder Consulting

### SERVICES ENGINEER:

Norman Disney and Young

### CONTRACTOR:

Westfield Design and Construction Pty Ltd

### DISTRIBUTOR:

Krystol Group Pty Ltd

### PRODUCTS:

Learn more at [kryton.com](http://kryton.com)  
Krystol Internal Membrane™ (KIM®)