

Richmond Aquatic Centre

Vancouver, Canada (1996)

BACKGROUND

Richmond Aquatic Center was constructed in 1996 near the Fraser River in Richmond, BC. The facility's 57 metre competitive pool has an 18 foot dive tank that is 10 feet below the water table. Because of the proximity to the ocean and major river system, the high water table created concern, as the strong hydrostatic pressure would delaminate the pool finish.

SOLUTION

Kryton's Krystol Internal Membrane (KIM) was used in the deep end of the pool and has been holding back ground water from the Fraser River, which is directly affected by tidal deltas up to 15 feet deep. Where KIM was not used in the pool's shallow end, leaking occurred in less than two months. Kryton's joint design system was then used where the original PVC waterstop system failed. To date, the Kryton products have performed as specified.

OWNER:

City of Richmond, Riverport
Business Park

PROJECT MANAGER:

Ron Mowbray

READY-MIX SUPPLIER:

Allied Ready-Mix

PRODUCTS & TECHNICAL SPECIFICATIONS:

Learn more at kryton.com
Krystol Internal Membrane (KIM)[®]
Krystol[®] Waterstop System



The 57 metre pool has an 18 foot dive tank that is 10 feet below the water table



Over fifteen years later, Kryton's products are performing keeping the concrete waterproofed.