

Greenwich Family YMCA

Greenwich, United States (2008)

BACKGROUND

Made possible through generous local donations the Greenwich Family YMCA in Connecticut was granted construction approval of a new Olympic pool as the centerpiece for its new state of the art Olympic Aquatics Center.

Completed earlier this year, the pool measures 50-meters by 25 yards and is opened for recreation, competition and lap swim. The pool also features a 13-foot deep diving well and is equipped for optimum diving training.

Initially Kryton's Krystol Internal Membrane (KIM) was specified for the new Olympic pool construction by the project consultant. As a cost-saving measure the KIM admixture was eliminated and a lesser jointed detail was employed. This waterstop system failed completely and the structure cracked in several sections under the extreme pressure and weight.

The roughly 850,000 gallon pool was test filled and lost over 120,000 gallons of water in a 24-hour period to the parking deck below. The general contractor called on New England Dry Concrete, a distributor of the Kryton waterproofing system, at the request of the pool consultant to see how they could remedy the situation.

SOLUTION

New England Dry Concrete performed a total joint repair employing Kryton's crack repair system on the entire wall and joint perimeter. In addition to the crack repair system, another 600 linear feet of cracks were repaired at various locations throughout the pool walls and floor. Sections of the pool were then treated with surface-applied Krystol T1 & T2.

The pool stopped leaking and enabled the project to progress and be completed on time.



Pool under repair.



Completed pool with no leaks.

OWNER:

Greenwich YMCA

CONTRACTOR:

Worth Construction

DISTRIBUTOR:

New England Dry Concrete

PRODUCTS:

Learn more at kryton.com
 Krystol® Crack Repair System
 Krystol T1®/T2®