

Domino Sugar Refinery Redevelopment

Williamsburg, Brooklyn, NYC, USA (2016)

BACKGROUND

Once a Sugar Refinery, this Domino redevelopment project will integrate many of the historic features of the sugar factory that once functioned on this site. This megaproject along the new quarter-mile of the Williamsburg waterfront will transform this dilapidated area into: a mix of market-rate and affordable housing; creative office space; neighborhood retail; community facilities; elevated walkway/skybridge; and an enormous waterfront public park.

The proposed buildings will be porous, featuring large openings that allow light and air to penetrate through the site and into the neighborhood beyond. The hub of this megaproject is the renovated Domino Sugar refinery and required proper protecting and waterproofing from the areas extreme weather conditions.

DISTRIBUTOR:
 Dry Concrete, LLC

PRODUCTS:
 Learn more at kryton.com
 Krystol Internal Membrane™ (KIM®)
 Krystol Waterstop Grout
 Krystol Waterstop Treatment™

SOLUTION

The developer chose Krystol Internal Membrane™ (KIM®) for the first of the five towers on this site based on a positive experience with KIM's effectiveness in waterproofing concrete. KIM is a hydrophilic crystalline admixture used to create permanently waterproof concrete and is the benchmark in crystalline waterproofing admixtures. As the exclusive distributor for the Northeast Greg Maugeri of Dry Concrete LLC was instrumental in providing consultative services, site visits and after sales support.

Using Krystol® technology greatly lowers the permeability of concrete and eliminates the need for surface applied waterproofing membranes, therefore Kryton's waterproofing admixture KIM was the ideal choice for the shotcrete walls. Then the Krystol Waterstop System, consisting of Krystol Waterstop Grout and Krystol Waterstop Treatment™, was applied to all the construction joints in the walls. By stopping the transmission of water through concrete, KIM also adds durability and longevity to concrete by protecting it against chemical attack and corrosion of reinforcing steel.



Rendering of the Domino Sugar Refinery Redevelopment.



The first of five waterfront buildings waterproofed with KIM Admixture in the shotcrete walls.

Kryton International Inc.