

Domino Sugar Refinery Redevelopment

New York, NY, USA (2016)

PRODUCTS USED:

Krytol Internal Membrane™ (KIM®) **Krytol Waterstop Grout™**
Krytol Waterstop Treatment™

DISTRIBUTOR:

Dry Concrete L.L.C.

BACKGROUND

Once known as a sugar refinery, this Domino redevelopment project integrates many of the historic features found in its previous iteration. Considered to be a megaproject, the redevelopment, alongside the new quarter-mile of the nearby Williamsburg waterfront, has been designed to transform the surrounding dilapidated area into a mix of market-rate and affordable housing, creative office space, neighborhood retail, community facilities, an elevated walkway, and an enormous waterfront public park.

The buildings for this extensive development have been designed to be porous, featuring large openings that allow light and air to penetrate through the site and into the neighborhood beyond. In the center of all that stands the Domino sugar refinery redevelopment, which required proper waterproofing protection from the area's extreme weather conditions.

SOLUTION

The developer of this redevelopment chose KIM for the first of the five towers on-site based on their positive experience with the concrete waterproofing admixture's effectiveness.

Moreover, they were confident they'd have permanently waterproof concrete as KIM is a hydrophilic crystalline admixture and also one that is considered to be a benchmark for other crystalline waterproofing admixtures. Its use of Krytol® technology greatly lowers the permeability of concrete and eliminates the need for surface-applied waterproofing membranes. It also protects the concrete from chemical attack and reinforcing steel from corrosion, adding durability and longevity to the concrete structures of the redevelopment. As a result, KIM was an ideal choice for the project's shotcrete walls. For additional waterproofing protection, the developer applied Krytol Waterstop Grout and Krytol Waterstop Treatment to all the construction joints in the walls.

To ensure the waterproofing with KIM and the grout and treatment application remained smooth, the developer relied on the exclusive KIM distributor for the northeastern area of the United States of America, Dry Concrete L.L.C. The distributor proved to be instrumental in providing insightful consultative services, site visits, and after-sales support that culminated in a watertight project.

