

1 Southwick Yard

London, UK (2016)

BACKGROUND

1 Southwick Yard is a unique and valuable project in Paddington, London, which is a short walk from Hyde Park. The location is certainly one of a kind, with space limited and the ability to extend properties above ground next to impossible. This means maximizing your footprint and building lower below grade is essential.

Unfortunately, building underground does pose many engineering issues. First is the amount of space you have to construct is limited, which means efficiency is a must whilst not negatively disrupting workmanship. Next, the further below grade you go, the more susceptible to water intrusion and flooding the structure is. A waterproofing method that could accommodate confined spaces and the ability to eliminate the risk of flooding whilst not compromising the footprint was needed.

SOLUTION

Kryton's United Kingdom distributor, Source One Environmental (S1E) was called in to consult with the contractor, MJ Rooney Construction to ensure a watertight basement. The project contractors went with Kryton's Concrete Waterproofing System. 110 m³ (3,884 ft³) of Krystol Internal Membrane™ (KIM®) treated concrete was used for the basement slab and walls, which requires no installation equipment or site disturbance and doesn't sacrifice any footprint.

For the construction joints and details, Krytonite™ Swelling Waterstop and Krystol Waterstop Treatment™ was used to ensure there was no areas susceptibility for leakages. Krytonite is the most dependable waterstop on the market, swelling 4x more than competing waterstops and is quick and easy to install. Coupled with Waterstop Treatment, all joints and details will be watertight for the life of the structure.

As of writing, 1 Southwick Yard is experiencing dry conditions and completely waterproof structure.

OWNER/DEVELOPER:

Private Owner

CONTRACTOR:

MJ Rooney Construction

DISTRIBUTOR:

Source One Environmental (S1E)

PRODUCTS:

Learn more at kryton.com

Krystol Internal Membrane™ (KIM®)

Krystol Waterstop Treatment™

Krytonite™ Swelling Waterstop



KIM concrete was used for the basement slabs and walls.



Krytonite Swelling Waterstop was installed between the rebar to ensure a fully tanked basement.