

Bomanite Exposed Aggregate Systems

PROJECT PROFILE

WORLD TRADE CENTER TOWER TWO



PROJECT INFORMATION

Bomanite Licensee, [Beyond Concrete](#), was called upon to help with the Landscape Architects street design for the new World Trade Center Tower Two. The plan called for a street design with sitting area located between the two towers, connecting the next to be constructed Tower Two, and the newly finished Tower One.

Being that this project was the World Trade Center rebuild security was top notch during the installation. Working at the site required daily security passes for all Beyond Concrete's crew members. It took as much as two hours each day to go through the security checks, lunch breaks required the General Contractor, Posillico Civil, Inc. to provide an escort so the Beyond Concrete team could return to the work area.

The theme of the design was to have the overall tone set in the gray family, starting from light gray at the building line and transitioning to dark gray by the street area. The project design consisted of approximately 7200 sq. ft. of 7" thick, epoxy reinforced concrete, poured in five twelve-foot-wide strips, each strip approximately 120 feet long. The 12 ft. wide strips were divided into 12' x 12' squares and saw cut into 3' x 6' rectangles for dimension and style.

The World Trade Center Tower project required multiple samples and conversations with the architect given the complexity of design and the various pour thicknesses the site dictated. The original request was for the [Bomanite Exposed Aggregate Sandscape Texture System](#) in five different shades of gray to be installed in sequence, exposing local sands within the integrally colored concrete.

It was determined that in order to have a consistent appearance there needed to be two processes used on site to accommodate the conditions that both resulted in the same finish. A bonded overlay for thinner sections and an unbonded topping slab for thicker. Once the process was determined and the architect saw the more decorative Bomanite Alloy finishes, the decision to use the [Bomanite Exposed Aggregate Alloy System](#) was clearly the best choice.

Some sections of the installation required priming and a mortar bed that was slurry overlaid with Bomanite Alloy Color Hardener. The standard areas used conventional concrete with the Bomanite Alloy Color Hardener applied in a traditional dry-shake fashion. All areas received the same final finishing and exposure of the fine reflective aggregates contained within the Alloy. The color started with Bomanite Nickel Gray Alloy and progressed towards the street with Shale Gray, Castle Gray, Coal Gray and ended with Cobblestone Gray.

Beyond Concrete achieved the Architects vision with the best Bomanite Decorative Concrete System and in conjunction provided a low-maintenance, high wear resistant, architectural concrete finish for the 2 World Trade Center Tower Street Design. For their outstanding work, Beyond Concrete received the 2018 Best Bomanite Exposed Aggregate Project Bronze Award. Bomanite Decorative Concrete at its finest!

PROJECT DETAILS

LOCATION
New York, NY

CLIENT
Silverstein Properties

ARCHITECT
MPFP LLC / M. Paul Friedberg

GENERAL CONTRACTOR
Posillico Civil, Inc

INSTALL COMPLETED
2018

SQUARE FEET
7200

BOMANITE SYSTEMS
Bomanite Exposed Aggregate - Alloy

BOMANITE PRODUCTS
Bomanite Color Hardener

BOMANITE LICENSED CONTRACTOR
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World Trade Center New York Tower 2 Street Design - Bomanite Alloy Exposed Aggregate System



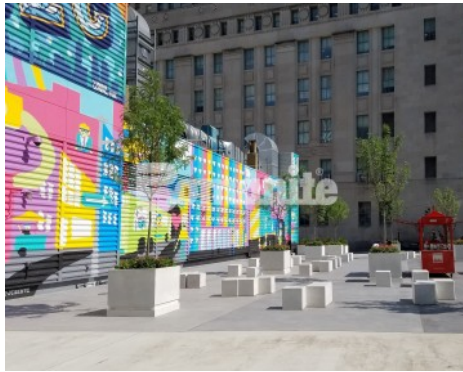
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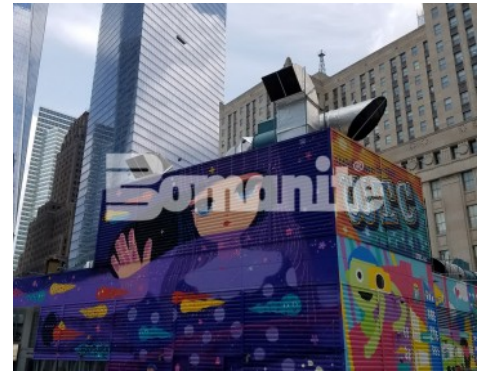
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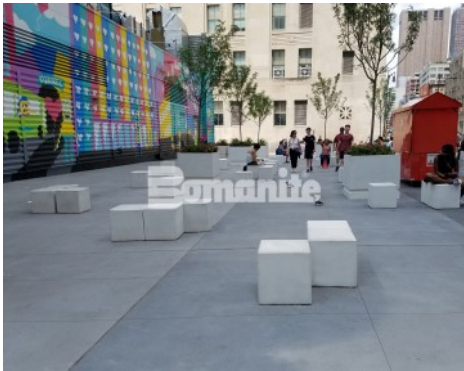
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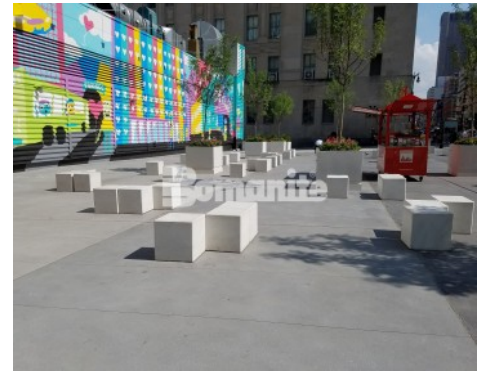
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