

# BUILT BETTER

Project:  
**9TH & W**

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**Place:**  
Washington, DC

**Completion:**  
End of 2022

**Architect:**  
SK+I Architecture

**Concrete Contractor:**  
Baker DC

**General Contractor:**  
CBG





## THE CHALLENGE

- An 11-story, mixed-use development located in Washington, D.C.'s vibrant U Corridor.
- Client identified their objective to achieve LEED Gold certification early-on and was looking for building materials to help them meet their goals.
- In considering green product options, the client insisted that all the technical requirements of the project be met with no impact on performance characteristics.

## THE SOLUTION

- This 258,000 square foot project utilized 14,000 cubic yards of concrete, 3,000 to 10,000 psi including DYNAMax for high-strength and durability and RAPIDFORCE high-early strength for quick setting.
- The building's design features unique angles and curves, adding complexity to the concrete and window construction.
- Holcim conducted extensive mix testing in an environment reflecting actual site conditions to demonstrate that ECOPact performance capabilities would meet client objectives.
- Holcim's Global Warming Potential (GWP) savings calculation tool helped to illustrate the difference between ECOPact and other concrete options, convincing the client of ECOPact superiority.
- Holcim set up a Washington, D.C., plant in partnership with Climate Earth in order to generate mix-specific Environmental Product Declarations (EPDs) to substantiate the value of ECOPact.
- ECOPact low-carbon concrete provided a 22% reduction in carbon emission when compared to the National Ready Mix Concrete Association (NRMCA) regional average, an equivalent to the annual energy use of 118 homes.

*"Ecopact is a turnkey solution to achieving high levels of carbon reduction whilst maintaining the strength and reliability we builders must be able to count on."*

Greg Lehri, Operations Manager, Baker Concrete Construction, Inc.

## BENEFITS



**EMBODIED  
CARBON  
REDUCTION**



**CONCRETE  
DIRECT  
DELIVERY**



**HIGH EARLY  
STRENGTH**



**HIGH  
PERFORMANCE**

## ENVIRONMENTAL SUCCESS

**22%**

**REDUCTION IN  
CARBON DIOXIDE  
EMISSIONS**

**983**

**TONS OF CO2  
EQUIVALENT SAVED  
FOR THIS PROJECT**



Learn more  
about ECOPact  
concrete at  
[holcim.us/ecopact](https://holcim.us/ecopact)