BUILT BETTER

Project:

GEORGETOWN UNIVERSITY

55 H Street Residence Hall

Place:
Washington, D.C.

Completion:
Fall 2022

Architect:
Robert A.M. Stearns Architects

ECOPact

HOLCIM

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55 H Street Residence Hall

ECOPact
The Green Concrete

THE CHALLENGE

- The project team needed an advanced concrete mix that would achieve a specified 28-day design strength of 5,000 psi and reach a high-early strength of 3,000 psi in two to three days.
- Georgetown University is deeply committed to pursuing broad-based, practical approaches in sustainability and the built environment.

THE SOLUTION

- ECOPact proved to be the ideal high-performance solution, as it is the industry's broadest range of low-carbon concrete for high-performing, sustainable and circular construction.
- ECOPact is sold at a range of low-carbon levels, from 30 percent to 100 percent less carbon emissions compared to standard (OPC) concrete.
- Where regulatory conditions allow, ECOPact products integrate upcycled construction and demolition materials, further closing the resource loop.
- 8,300 cubic yards of ECOPact PRIME and high-early strength concrete was used in the project and provided a 40 percent reduction in carbon dioxide emissions when compared to traditional concrete.

BENEFITS

- EMBODIED CARBON REDUCTION
- HIGH EARLY STRENGTH
- SIMPLE APPLICATION
- HIGH PERFORMANCE

ENVIRONMENTAL SUCCESS

40% REDUCTION IN CARBON DIOXIDE EMISSIONS

920 METRIC TONS OF CO_2 SAVED

"Our challenge was to find a sustainable high-performance concrete solution that would come up to strength in a timely fashion in order to maintain our schedule."

Ben Fry, project manager at John Moriarty & Associates, General Contractor

Learn more about ECOPact concrete at holcim.us/ecopact

For more information, please contact
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