



# Richards & Drake High-rise

## Project Details



### Location:

Vancouver, British  
Columbia Canada



### Timeline:

Foundation pour occurred in November  
2023.



**Volume:** 1,150 m<sup>3</sup>



### Concrete's Sustainability Contribution:

The sales team at Heidelberg Materials, Vancouver upsold over 940 cubic meters of EvoBuild™ Silver low carbon concrete for the foundation of a mixed-use project. EvoBuild™ Silver mix has more than a 50% CO<sub>2</sub> reduction compared to the Canadian Ready Mixed Concrete Association benchmark. Heidelberg Materials was tasked to supply two technically challenging mixes for the foundation at Richards & Drake, requiring a low heat of hydration mix for the mass concrete foundation pour and a mix containing an integral waterproofing admixture. Technical services testing and data were used to verify that the high SCM replacement EvoBuild™ Silver mix met the project's strength and low heat requirements while providing a 50% to 70% GWP reduction compared to the benchmark and worked with contractor Syncra Construction to meet their demanding schedule. This concrete will support a 40-story tower atop five levels of underground parking, 172,000 square feet of space, and 193 rental housing units.



EvoBuild™ Low Carbon Concrete can help lower the carbon footprint of your project without compromising performance. Available for a broad variety of applications, our product range consists of EvoBuild™ Bronze, EvoBuild™ Silver, EvoBuild™ Gold and EvoBuild™ Zero. This range considers all of your specific targets, timelines and budget needs, ensuring there is a sustainable solution for your project.

More importantly, these solutions are stackable, meaning carbon savings can add up to different levels, as required to meet your project goals. Carbon savings can vary depending on performance requirements, haul distances, and energy use at the manufacturing facility related to local climatic conditions. However, when measured against national industry average Environmental Product Declaration (EPD)\* values, our EvoBuild™ concrete mixes provide significant carbon savings for your project. These savings are supported by mix-specific, third-party verified EPDs which provide transparent and comparable information about the life cycle impact of our building materials.



**Heidelberg  
Materials**

[heidelbergmaterials.ca](https://heidelbergmaterials.ca)