



# Henry Hudson Elementary School

## Project Details

**Location:**

Vancouver, British Columbia Canada

**Timeline:** 2023-2024

**Volume:** 2,700 m<sup>3</sup>

**Concrete's Sustainability Contribution:**

The School Board in Vancouver, British Columbia decided to switch from a prescriptive specification to a performance-based approach on the Henry Hudson Elementary School to achieve a seismically upgraded, authentically sustainable solution for their new three-story building. In 2023, the City of Vancouver introduced Embodied Carbon Guidelines to reduce emissions by 40% in new buildings and construction projects compared to 2018, as part of the Climate Action Emergency Plan. The City specified GWP values for each concrete element, and based on recommendations from Heidelberg Materials representatives and contractor Heatherbrae Builders, the Vancouver Project Office approved EvoBuild™ low carbon concrete to meet their sustainability and performance goals. The new replacement building for Henry Hudson Elementary School will feature a three-story structure, with the first two levels dedicated to school uses and the third level as a “neighborhood learning center.”



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.



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