

Vancouver Convention Centre

The award winning Vancouver Convention Centre's new West building boasts 338,000 sq ft of function and meeting space and has become a show piece of architecture, construction and sustainability. Key design elements include a six-acre "living roof" that houses thousands of indigenous plants. 40% of the building is suspended over water with the foundation specifically designed to recreate a natural shoreline for marine life. The project was completed in April 2009 and was geared to attain gold standard under LEED (Leadership in Energy and Environmental Design).

Ocean recommended HARD-CEM™ for its full depth hardening capability that would enhance the life span of the exhibition facility and create an economic savings for the owner. The large concrete floor area required a uniform product placement that would not delay construction. HARD-CEM will provide the facility with a concrete exhibition floor with superior hardness and abrasion resistance required for the high traffic, high use area. HARD-CEM dosage of 40 kg/m³ concrete was added at the Ocean production facility. HARD-CEM was an excellent option for this environmentally friendly facility as its use typically qualifies towards the LEED Green Building Rating System.

Integral Concrete Hardener

HARD-CEM is engineered to provide concrete with superior hardness and improved durability for demanding construction projects. HARD-CEM is unique in its ability to enhance the integrity of air-entrained and non-air entrained concretes. Hard-Cem provides significant advantages for projects needing enhanced durability including: paving, bridges, parkades, industrial floors, precast pipe, dams, spillways, stilling basins and erosion control structures.

Cementec Industries

HARD-CEM was engineered by Cementec for concrete subjected to mechanical (direct or water-borne) action causing erosion. Cementec is an award winning engineering, production and distribution company with special expertise in the research and development of proprietary products for the oil and gas sector and construction industries. Cementec is a member of ACI, Transportation Research Board and APEGGA.

Cementec is a strategic partner with Teck Resources Limited, an integrated natural resource and materials company with expertise in exploration, mining, development, smelting, refining and materials processing. Teck Resources Limited (www.teck.com) provides quality materials and technical solutions to the global market place.

Contact Us



Toll-free 24 hour order desk: 1.866.212.5042
or 1.866.256.1367 www.hardcem.com

For more information contact Cementec 1.403.720.6699
or info@cementec.ca

See related documents on HARD-CEM product usage,
performance testing, and project summaries.

PROJECT PROFILE

Owner: Vancouver Convention and Exhibition Centre

Builder: PCL Constructors Westcoast Inc.

Concrete Materials Supplier: Ocean Construction Supplies.

Total Exhibition Area: 20,717 sq metres
(223,000 square feet)

