

Corporate Images

Non-Air Entrained Concrete

Corporate Images manufactures and distributes ready to assemble furniture for home and business. Corporate Images recently constructed a new long-life, low maintenance industrial facility to meet the needs of their growing business. CTA Design Group was contracted to design and engineer the 208,000 ft² facility in Surrey, BC. A tilt-up style construction was used for the project considering the size and requirements of the facility. The 8" interior floor slab would be exposed to heavy traffic and loading of a traditional manufacturing & distribution facility. After considering available building materials options, CTA Design Group specified HARD-CEM in the floors.

The project required 3,900 cubic metres of HARD-CEM concrete that would deliver a quality hardened floor and be compatible with bond-breakers required of the tilt-up wall panels. Rempel Bros. supplied the HARD-CEM concrete. RAM Construction working closely with Astra, placed and finished the full depth hardened concrete in a series of pours in October 2004. Everyone involved was impressed with the excellent workability and finish of the HARD-CEM concrete.

PROJECT PROFILE

Owner: Corporate Images

Project Manager: CTA Design Group

Project Architect/Designer: Ciaran Deery

Construction Contractor: RAM Construction

Concrete Supplier: Rempel Bros. Concrete

Concrete Placer/Finisher: Astra

Total Area: 208,000 ft² (19,300 m²)

A project video is available on request.

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 & gas and construction industries. Cementec is a member of ACI, the Transportation Research Board, and APEGGA.

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

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.

HARD-CEM is a registered trademark of Cementec Industries Inc.

