

Transcontinental Printing Floor

Non-Air Entrained Concrete

Transcontinental Printing was expanding their Calgary production and warehouse facility. They needed a very durable (abrasion resistant) floor to withstand the heavy forklift traffic of large paper rolls. Inland Concrete added HARD-CEM to the specified non-air entrained concrete at their batch plant (at the standard rate of 40kg/m³). The entire 43,000 ft² floor slab was poured and placed in less than one day with excellent results – a high quality floor showing no shrinkage cracks or curling after curing.

The concrete placers were impressed with the ease of finishing – the concrete was creamier and easier to work with than a comparable mix without HARD-CEM. The floor surface was very “tight” (i.e. non porous, well sealed) demonstrating high bleed-water control and requiring considerably less surface sealant.

HARD-CEM is also recommended when flatness or the slab is a key criteria. There is no need to re-work the slab with HARD-CEM as there is with shake-on surface hardeners.

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.



PROJECT PROFILE

Owner: Transcontinental Printing, Calgary

Project Manager: Devitt & Forand Contractors

Project Superintendent: Joe Nuttal

Concrete Supplier: Inland Concrete Ltd

Concrete Placer: Dynamic Concrete Pumping

Total Area: 43,000 ft² (4,000 m²)

