

Canada Olympic Park

Calgary, Alberta, Canada



Elemix® concrete additive helps lower construction costs on Canada Olympic Park ice complex

Calgary's Canada Olympic Park is now the home of the 500,000 sq. ft. Athletic and Ice Complex, a world-class training facility for Canada's Olympic athletes. The facility boasts one international-sized skating surface, three NHL-sized skating surfaces, a training facility, and a five-storey office tower that will house the offices of Hockey Canada, Skate Canada, and 20 other national and provincial winter sports organizations.

Construction of the immense project was managed by Calgary-based CANA Construction. Together with engineering firm Read, Jones, Christoffersen (RJC), CANA's project team reduced materials and labor cost by specifying lightweight concrete with Elemix® additive for the elevated concrete decks of the five-storey office complex.

Elemix additive is a unique polymeric sphere that results in lighter weight concrete that resists cracking. Lightweight concrete decks allow engineers to reduce the amount of structural beams supporting the floor, creating a significant cost savings.

"What the people at CANA said to us was the fact that they did not have to spray the underslab with fire retardant was a huge cost savings to them," said Harold Boldt, the Sales Manager for Inland Concrete, who provided the concrete for the project. "We are very pleased that we can go back to our engineers and say we have a product that works, it pumps easily, and the finishers found it easy to place."



Elemix additive (white polymeric spheres) distributes uniformly in concrete to reduce weight

"To be involved with the Canada Olympic Park project is quite exciting," said Darcy Minion, a Plasti-Fab representative who provided support on the project. "It is great that the Elemix additive really helped the contractor save money and get the project done faster."