

Built for Champions: Mattamy National Cycling Centre Takes Off

Location
Milton, Ontario, Canada

Wall Products
KS Series Micro Rib
Optimo

Finishes
Ascot White Kynar
Driftwood Kynar
Zinc Grey Kynar

Overview

The 17th annual Pan American Games was headed to Canada, but the Toronto 2015 Organizing Committee needed a suitable host venue for the Games' cycling tournament. This prompted the construction of a brand new velodrome.

To be ready by the opening ceremonies, KS Series Micro Rib and Optimo panel systems were specified to help increase build-speed and to ensure the venue was worthy of international competition.

The quick installation of the KS Series Micro Rib and Optimo also allowed the velodrome to meet its off season goals of hosting the Canadian Track Championships and Milton International Challenge in preparation for hosting the 2015 Pan American Games.



Wall Product
KS Series Micro Rib
Optimo



The Home of Canadian Cycling

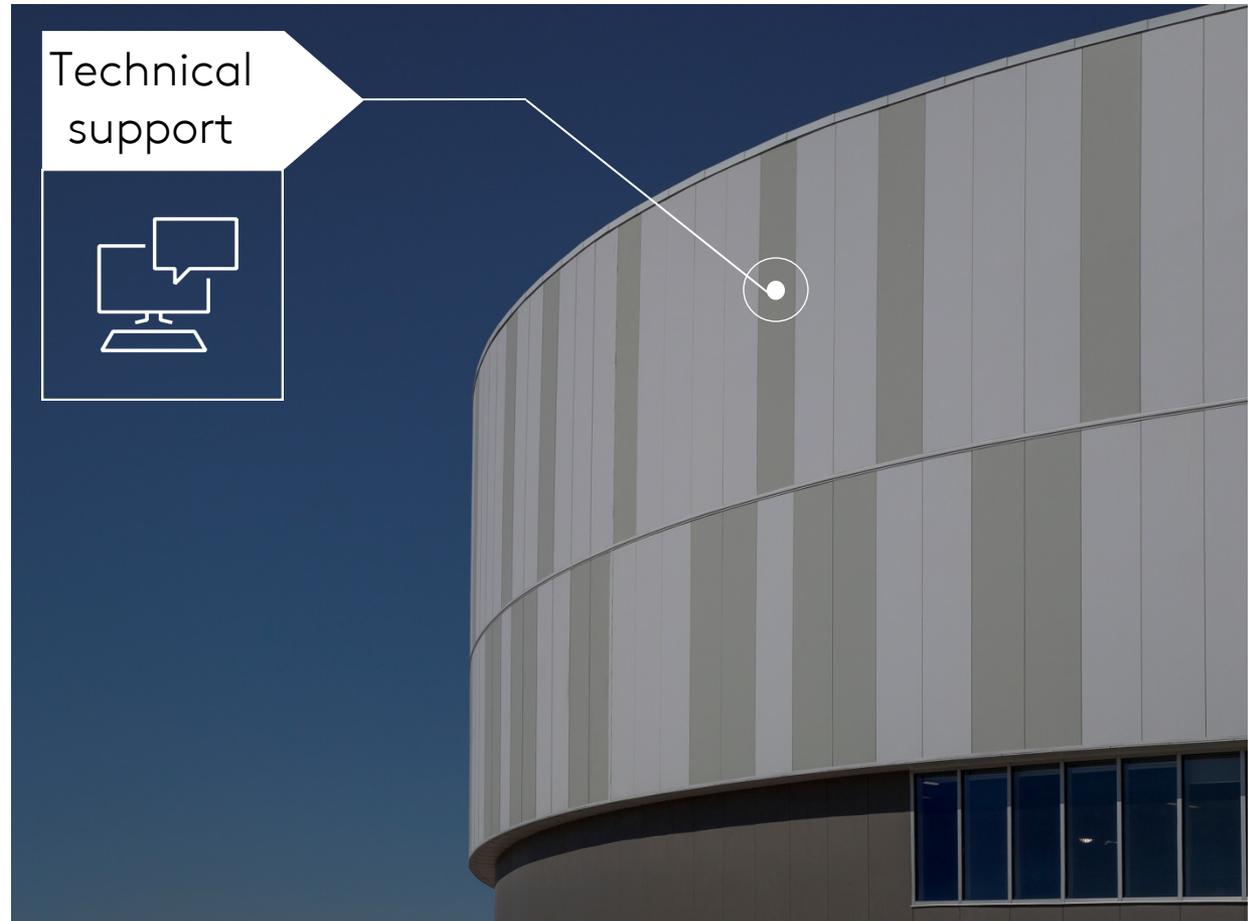
Business Challenge:

The project to bring Canada's first world class indoor cycling velodrome to Milton, Ontario was not without its obstacles. The velodrome's exterior cylinder shape was designed to wrap around the Category 1-certified indoor track. While this looked impressive, the building's unique design presented equally distinctive challenges.

Andrew Toma, Business Development Manager at Kingspan Insulated Panels, explained, "Trying to work with a continuous radius around the building meant 36" module panels were needed."

Kingspan Solution:

With that noted, the Optimo and KS Series Micro Rib were specified as part of the Design-Build proposal with Bouygues Construction (General Contractor) and CannonDesign (Architect).



A Speedy Response

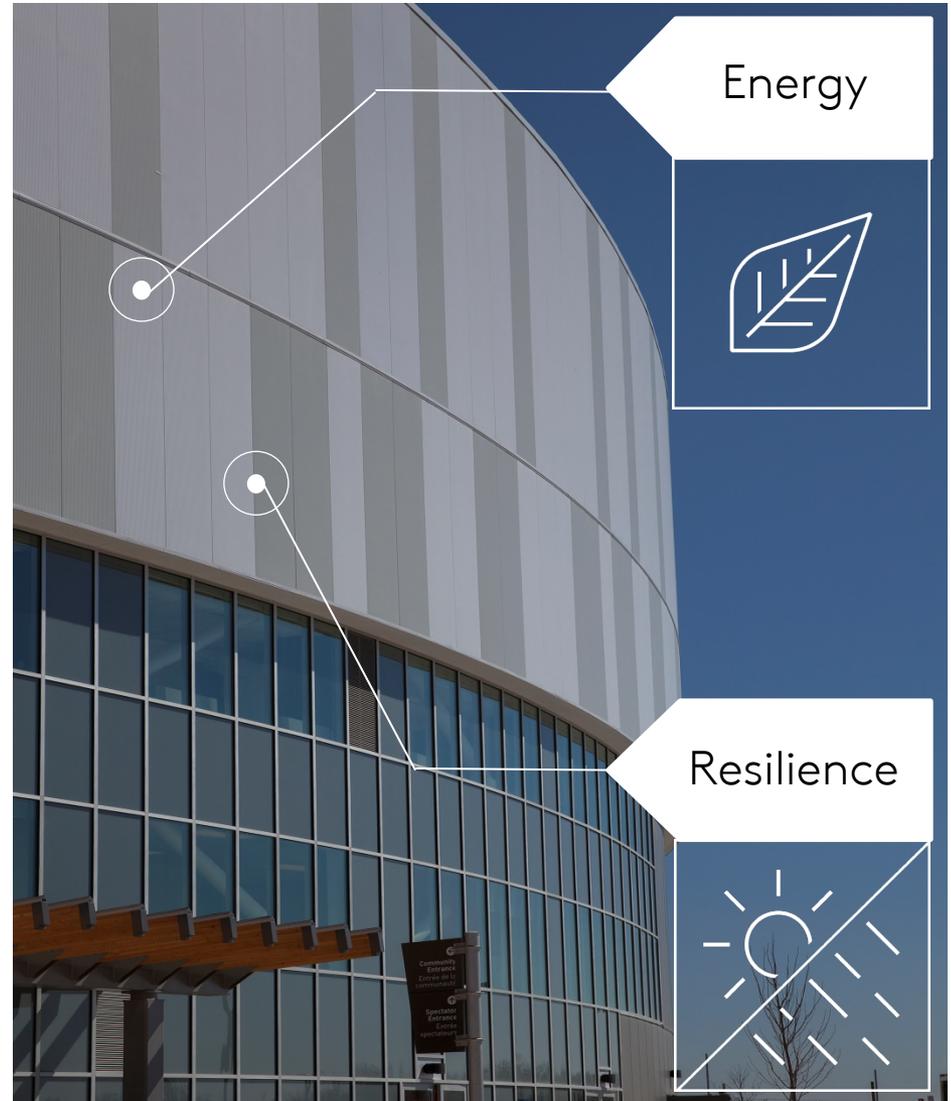
Architectural Benefits:

While the project was affected by the harsh winter winds, the use of Kingspan's KS Series Micro Rib and Optimo helped combat this. Dressed in Ascot White, Driftwood, and Zinc Grey, these panel systems were added for their aesthetic appeal – and much more besides.

Installation Benefits:

Their flexibility allows these panel systems to be installed both vertically and horizontally. The ease of installation proved to be a valuable asset to the project's build-speed as there was little time to spare before the 2015 Pan Am Games.

Factory built, they were assembled off-site and ready to be installed on arrival. This helped eliminate any additional weather-related setbacks. The ease of installation also meant that less trades were needed, phasing out the worry of scheduling delays.



Bringing Home The Silver

Owner Benefits:

Creating an energy efficient building was of great importance to the construction of the Mattamy National Cycling Centre. The Kingspan insulated metal wall panels provided the building with superior air and weather-tightness by eliminating heat loss or heat gain.

The insulated core of the Kingspan IMPs provided superior thermal performance thanks to a high R-value. These performance benefits helped the velodrome achieve the highly regarded energy efficient LEED Silver certification.

After much hard work and dedication, the velodrome was completed in January of 2015. It is now recognized as a world-class venue designed as a Category 1-certified indoor 250-metre timber track, which features two 42-degree angle banks.



Contact

For more information on
the products used in this
project, please email

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