

Kal-Tire Place



Project Overview

Completion Date: 2018

Location: Vernon, British Columbia

Architect: MQN Architects

General Contractor: VVI Construction

Installer: Laing Roofing Ltd

Insulated Metal Panels:
KS Mini Micro-Rib

Sq. Ft: 14,370

Challenge

The project team for the Kal-Tire Place required keen coordination due to multiple trades on the facility's expansion. An NHL-size ice surface with seating, lobby, administrative areas, and amenities with concessions and elevators were required to be constructed by the grand opening in Fall of 2018.

The team worked closely with the city's representatives and various consultants along with the talents from the design firm MQN Architects with the intention of focusing on speed-of-build and easy installation.

Kal-Tire Place is a 3,006 seat multi-purpose arena and NHL-sized ice rink.

The expansion utilized Kingspan's KS Series insulated metal panels for a professional look.

Highlights

- Owned and operated by the city of Vernon, British Columbia, the building hosts a Junior 'A' hockey team and is a venue for entertainment and community events
- Kingspan assisted with shop drawings to ensure successful project completion that arrived on-time and on-budget
- Over 14,000 square feet of KS Mini Micro-Rib insulated panels were used on the building's exterior

“ We always have projects run smoothly with Kingspan Insulated Panels and they are there from start to finish, including assistance with shop drawings; a benefit for on-time, hassle-free installation” ”

Brian Daniels
LAING Roofing Ltd.

Solution:

The KS Series insulated metal wall panels from Kingspan were selected in Mini Micro-Rib profile, chosen because of their thermal performance and build speed. The panels adjustable module widths can integrate for distinct architectural flair and KS Series panels can be customized with trimless ends and pre-formed corners to provide a clean, finished appearance. Panels from Kingspan are available in horizontal and vertical applications and with a fully engineered joint design allowing for profile integration while creating a striking appearance with panel thickness ranges from 2" – 6" while meeting specified thermal performance.

Influence:

The need for an insulated metal panel design that could meet the building’s require thermal performance and unique design constraints while offering on-time delivery and ease of installation were critical. Kingspan insulated metal panels were chosen because of reduce build speeds, requiring less trades than a traditional built-out wall system.

The thermal performance of the KS Series of insulated metal panels - with R-values of up to

7.2 per inch with PIR foam, and up to 8 per inch when equipped with QuadCore® insulation - were ideal for an ice rink of Kal-Tire Place’s size.

Designers from MQN Architects selected the Kingspan KS Series Mini Micro-Rib for an attractive building exterior that had the appearance of fine lines, or “ribs.” Mini Micro-Rib panels are ideal for new and retrofit constructions and suitable in a wide range of sectors while providing outstanding thermal performance along with the benefits of aesthetic design flexibility.

Once the panel design was selected, the project team was under a tight deadline to furnish and erect the facility’s end game for the grand opening scheduled for the fall. Project planning was underway in 2018 and finished early that summer to ensure the city’s hat trick of project deliverables were met: on time, on-budget and hassle-free.

LAING, the installer on the project, provides full building envelope services, including roofing, sheet metal, waterproofing and wall system installations for commercial, industrial and large-scale residential projects. LAING worked closely with general contractor team from VVI Construction. VVI is an industry leader in construction services in multiple disciplines. Their commitment to quality is one of the reasons they partnered with Kingspan for this large-scale project.

In addition to a full array of insulated metal panel and facade products, Kingspan provides comprehensive technical advisory to assist architects, engineers, specifiers and installation contractors with building design, product application and on-site installation training. The Kingspan team is there from project start to finish, providing support for all pre and post-order administration, delivery scheduling and installer support, ensuring a seamless coordinated customer experience.



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