

KarrierPanel Proves Head of the Class



Location
Portland, Oregon, USA

Wall Products
KarrierPanel

Rainscreen Facade
Morin Single Skin Wall Panel

Overview

As one of the most sustainable and environmentally friendly cities in the United States, Portland currently hosts the most LEED-certified buildings per capita in the nation. Portland Community College (PCC), the largest institution of higher learning in Oregon, is no exception.

As a new construction project, the PCC Southeast Center was to provide exterior insulation outside of framing, as required by code, while still fulfilling the architect's design idea. Kingspan's KarrierPanel provided the best thermal envelope and reduced thermal bridging, allowing the building to be fully passive.



Wall Product
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The Silver Challenge

Business Challenge:

In 2008, voters in Oregon approved a \$374 million bond issue to renovate aging buildings, update technology, and expand instruction by increasing classrooms throughout the PCC system. This bond directly related to the college's commitment to sustainability. The college's four main campuses: Cascade, Rock Creek, Southeast Center and Sylvania were committed to achieving LEED certification.

Kingspan Solution:

Anticipated to achieve LEED Silver certification, Kingspan's KarrierPanel was the product of choice for PCC's Southeast Center construction project.



An Extremely High Score

Architectural Benefits:

KarrierPanel provides solutions for both vertical and horizontal wall applications. Comprising a KS Series panel and integrated rail, KarrierPanel is the ideal barrier wall to support secondary raincreen systems such as metal, tile or brick façades. The PCC project followed a vertical application using single element cladding panels from Morin, a Kingspan Group Company. The design flexibility of KarrierPanel allowed the Morin panels to fulfill the architect's 12-inch wide module design requirement.

Contractor Benefits:

With a core of continuous, rigid polyiso insulation, Kingspan's KarrierPanel provides industry leading R- and U- values with superior airtightness performance, a major need in the Pacific Northwest climate.

"The Kingspan panels we used for this project directly contributed to the building scoring extremely high on LEED certification credits," said original Project Manager, Jeff Harbaugh of General Sheet Metal in Clackamas, Ore.



Top Marks on Client Satisfaction

Installation Benefits:

As a single-component wall system, KarrierPanel is simple in detail and to attach, reducing schedules and installation errors. Weighing only three pounds per square foot, the IMPs also reduce transport and installation energy.

Owner Benefits:

KS Series panels are recyclable, adding to the building's life-cycle benefits. Exterior wall systems, like KarrierPanel, last as long as the service life of a typical commercial building. These durable commercial wall systems also reduce operational costs for energy maintenance and offer multiple end-of-life reuse options, aligning with PCC's LEED certification commitment.

The clients were extremely satisfied with the final look and project completion of the two new buildings using Kingspan KarrierPanel.



Contact

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

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