

A First Class Solution



Location
Bradley, Illinois, USA

Wall Products
Designwall 2000

Overview

Kankakee Community College's two-story, 18,350 square foot North Extension Center (NEC) cost \$5.5 million and anchors the college's new satellite campus in downtown Bradley, Illinois.

The building envelope, which was the determining factor for NEC achieving an extremely high LEED rating and certification, was made with Kingspan insulated metal panels (IMPs). In August 2014, the North Extension Center earned LEED Gold certification from the U.S. Green Building Council. It was the first building in Kankakee County to earn this rating.



Wall Product
Designwall 2000



Solid Gold

Business Challenge:

In 2007, Kankakee Community College (KCC) became a signatory to the American College and University President's Climate Commitment. KCC also chose to participate at the gold level in the Illinois Sustainable University Compact. As part of both commitments it was mandated that all new construction at KCC would be built according to the U.S. Green Building Council's LEED Silver standard or higher.

Kingspan Solution:

The exterior walls of the building were created with Kingspan Designwall 2000 insulated metal wall panels to maximize thermal efficiency, as well as providing a stylish solution that could be erected quickly.



Three Top Reasons for IMPs

Architectural Benefits:

Demonica Kemper Architects of Chicago designed the KCC NEC, and its Design Director, Greg Spitzer, identified three primary benefits of specifying Kingspan products: "Aesthetic appeal, insulating properties, and how they can be used to quickly form one complete exterior system."

Demonica Kemper used its experience to give the KCC North Extension Center an impressive look to complement the LEED Gold status. "The firm incorporated some unique design features into this project," said Spitzer. "Metal fin wall is incorporated into the building as an organizational design element to unify the composition."

According to Spitzer, Kingspan products will become a more standard cladding material on commercial buildings in the future. "Definitely yes," he said. "Insulated metal panels will continue to gain popularity though their economy and versatility, as well as the single point of responsibility on the exterior skin application."



A Class Act on Sustainability

Contractor Benefits:

There were several features of Kingspan Designwall 2000 IMPs that contributed to the LEED point total and Path to Net-Zero Energy targets of the KCC North Extension Center. They weigh only 3 pounds per square foot, which reduces transport and installation energy. IMPs are simple to detail and attach, reducing schedules and installation errors.

Owner Benefits:

The Kankakee Community College's North Extension Center building has been designed with many sustainable features, among them Kingspan IMPs. They contain a substantial amount of recycled content, and the panels themselves are recyclable. The insulation is on the exterior of the building structure to provide the best possible thermal envelope by reducing thermal bridging typical of cavity wall systems.



Contact

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

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