

Kent State University

Kent, Ohio, USA (2015)

BACKGROUND

Kent State University (KSU) is Northeast Ohio's premier choice among public universities in the region and recently expanded their capacity. The new facility will house the Advancement Operations, Alumni Relations, The Center for Gift and Estate Planning, Corporate and Foundation Relations, the Office of Intuitional Advancement, and the University Foundation. The three story, 34,000 sq/ft (3,159 m²) building will include administrative offices, a call center, meeting rooms, an 80-person event space, exhibition hall, and associated support space. The KSU expansion is not only consolidating 104-employees under one roof and streamlining the efficiency of operations, but also creating an efficient working environment through innovative construction practices.

KSU developers specified that the project be built to achieve a Silver LEED (Leadership in Energy & Environmental Design) certification level. The walls needed to be watertight to meet the high levels of insulation and to be fully air sealed, all while remaining 'earth friendly'. A sustainable solution was needed.

SOLUTION

Kryton Ohio distributor, Price Builders & Developers was brought in to provide the best solution available to ensure the sustainability goals would be reached by KSU. Originally, Kryton's Krystol Internal Membrane (KIM) was used for the elevator pits; however, the project team soon realized that it would also be perfect for the entire foundation of the structure. KIM not only provides watertight concrete with the ability to self-seal and last the life of the structure, but also adds valuable LEED certification points. One of those points is achieved because KIM contributes to overall durability and life expectancy of a building by increasing freeze/thaw durability. In Ohio, being able to defend against freeze/thaw cycles is key to ensure a leak free concrete structure.

As of writing, the KSU Institutional Advancement Building is leak free and performing as expected.

OWNER/DEVELOPER:

Kent State University/ GMS
Development LLC

READY-MIX

Osborne Companies Inc

CONTRACTOR:

Gilbane Building Company

DISTRIBUTOR:

Price Builders & Developers Inc., LLC

PRODUCTS:

Learn more at kryton.com
Krystol Internal Membrane™ (KIM®)



KIM was originally to be used just for the elevator pits, but was extended to the foundation as well.



KIM mitigates the risk of cracks during a freeze/thaw cycle.