

# CASE STUDY

CityCenterDC, Washington, D.C.



Kea Taylor/Imagine Photography



## PRODUCTS USED

Earthwool® 1000°  
Pipe Insulation

Friendly Feel® Duct Wrap  
with ECOSE® Technology

## PROJECT

CityCenterDC

*"The CityCenterDC project was a very large undertaking. We were responsible for two condominium buildings, a garage and two office buildings. The only pieces of this overall project that we didn't insulate were the two apartment buildings. At the time, it was the largest construction project in Washington, D.C. We needed insulation products that would stand up to harsh environmental elements during this long build and provide health and safety benefits to our installers and future building occupants.*

*"Our installers asked for Knauf Insulation by name – they knew it would be easy to work with, wouldn't go airborne once cut, and wouldn't itch. And we knew that with Knauf Insulation, we wouldn't have to worry about materials being destroyed due to water damage or debris. We also knew that it would provide for healthy indoor air once the project was complete. We wouldn't have trusted anything else with this monumental project!"*

**Mary R. Whitlow**  
President  
Wayne Insulation Co., Inc.



## CHALLENGE

At the time of its build, CityCenterDC was Washington, D.C.'s largest mixed-use construction project. Wayne Insulation was responsible for insulating two condominium buildings, two office buildings and a garage.

The majority of the build took place through the unpredictable fall and winter weather, and Wayne Insulation Co., Inc., the insulation installer, would have to use materials that could withstand the external elements. Not all of the buildings were 100 percent watertight until February 2013, and leaks could have caused permanent damage to the insulation.

In addition, with the complexity of the job and the number of contractors, the product could be impacted by other building material installations, so durability was very important. The installation was very complicated and required special attention for custom fitting. It was important for installers to work with a product that would be easy to finish and wouldn't itch.

As with every project, Wayne Insulation also considered the health of future building occupants, needing products that would contribute to healthy indoor air quality. This mixed-use development is a residence and workplace for its many occupants. The Knauf

Insulation products used in CityCenterDC are made with revolutionary binders based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals such as phenol, formaldehyde or acrylics.

## SOLUTION

One reason Wayne Insulation Co., Inc. chose Knauf Insulation was the products' propensity to remain durable in harsh environments. The smooth protective surface of the ASJ+ jacketing system provides resistance to water exposure. This resistance was extremely useful in preventing rework and providing a superior finish.

In the central plants, two layers of sheetrock were incorporated into the ceiling after the insulation had been installed, causing debris to fall on the insulation. "When they finished installing the sheetrock, the insulation looked horrible," said Mary R. Whitlow, president of Wayne Insulation. "The jacketing on other brands of insulation would have been ruined, which was what I was expecting. But after the cleaning crew wiped everything down, I was amazed at the durability of the Knauf Insulation jacket. You would have never known the sheetrock had just been installed. The insulation looked beautiful."

Wayne Insulation also knew this was the right brand choice for the installers. "Our installers asked for Knauf Insulation by name," Whitlow said. "They had worked with it on previous jobs, and they didn't want to consider any other brands for this massive project." In addition to being comfortable to work with due to minimal itching, Knauf Insulation is ideal for such a large project because when cut into, its properties aren't airborne.

"The binders are very tight," said Whitlow. "This project had a lot of cut-ins and T's, and the tight binding made it easier to cut. It was easy to scoop out around oversized valves, and the cuts were sharp every time."

Building occupants enjoy improved indoor air quality due to the insulation products that were used during the build.

"We've been very happy with our choice of Knauf Insulation products, and we're looking forward to using them again on future projects," Whitlow said.

**Knauf Insulation**  
One Knauf Drive  
Shelbyville, IN 46176

[www.knaufinsulation.us](http://www.knaufinsulation.us)

For further information contact:

**Tel:** 317-398-4434  
**Fax:** 317-398-3675  
**Email:** [info.us@KnaufInsulation.com](mailto:info.us@KnaufInsulation.com)

**KNAUFINSULATION**  
it's time to save energy