

Press Release



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The Tower at PNC Plaza in Pittsburgh to install Schöck Isokorb® Thermal Break Elements

Unique Technology will Facilitate Building's High Performance System

New York, NY (June 20th, 2013) – Schöck, the international developer of innovative building products, announced that its Isokorb® thermal break solution has been selected as a key component in the design of The Tower at PNC Plaza, the new headquarters of PNC Financial Services Group in Pittsburgh, Pennsylvania. Installation of the Isokorb element will begin this fall in the 32-story building, billed as the “world’s greenest” office tower.

According to Erleen Hatfield, PE, LEED AP, AIA, Partner, Buro Happold, “To provide fully integrated engineering service for The Tower at PNC Plaza, it was incumbent on the team’s structural engineers to understand and embrace the high-performance goals of the project. Working with Buro Happold building systems engineers, energy experts and computational analysts, we saw the introduction of the thermal break into the structural system as a way to improve the envelope and energy performance, and reduce the need for the perimeter mechanical systems, which prevent condensation and drafts.”

Currently under construction, the project is a high-rise steel structure and a “building that will breathe,” explained Hao Ko, design director for Gensler architects, which created the plan for this naturally ventilated office tower. The “breathing” building’s steel structure is wrapped in a double curtain wall, with automated windows on the exterior and flaps on the interior that will bring in fresh air. *Architectural Record* noted that, on completion in summer, 2015, it is expected to be the country’s “tallest tower relying on such a passive strategy for environmental control,” and exceed LEED Platinum requirements.

Schöck Isokorb will be installed in line with the tower’s interior curtain wall, contributing to the building’s high efficiency and thermal performance of the facade. Recently introduced in North America, Isokorb’s low thermal conductivity and integral load-bearing capacity saves energy and eliminates the risk of condensation and mold. Generally employed as a thermal insulation element for cantilevered concrete slabs such as balconies, this unique

installation will use more than 3,000 meters of Isokorb CM modules along the edge of 30 levels with double-skin façade.

Schöck U.S. sales manager Matt Capone noted that “this product went through a very rigorous submittal and approval process with PNC’s design team to ensure that the project’s demanding criteria for thermal and structural performance were met. Because the installation is unique – with the outer curtain wall attached to the end of the concrete cantilever supported by the Isokorb modules – very low deflection and movement tolerances are key to making the complete façade work.”

For more information please contact Schock USA Inc. at 855 572 4625 or visit www.schock-us.com.

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Photographs

[The Tower at PNC Plaza.jpg]



The Tower at PNC Plaza, the new headquarters of PNC Financial Services Group in Pittsburgh – “world’s greenest” office tower

Photo courtesy of: Gensler

[The Tower at PNC Plaza_inside.jpg]



The “breathing” building’s steel structure is wrapped in a double curtain wall, with automated windows on the exterior and flaps on the interior that will bring in fresh air.

Photo courtesy of: Gensler

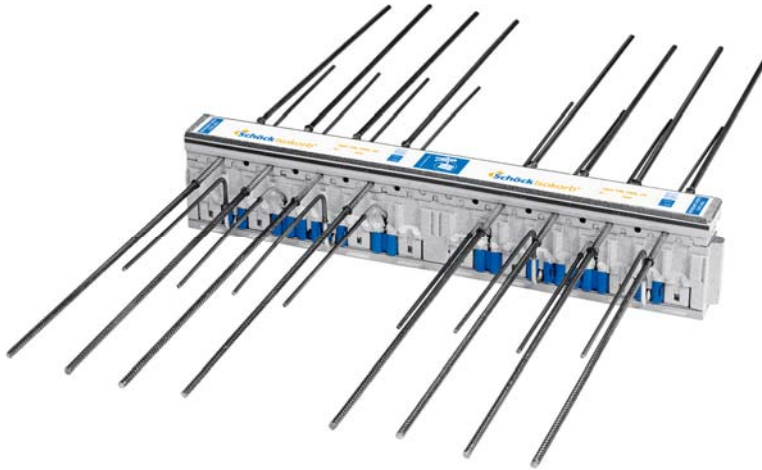
[The Tower at PNC Plaza_2.jpg]



Schöck Isokorb® thermal break solution has been selected as a key component in the design of The Tower at PNC Plaza. This solution will be installed in line with the tower’s interior curtain wall, contributing to the building’s high efficiency and thermal performance of the facade.

Photo courtesy of: Gensler

[Isokorb Type CM.jpg]



Recently introduced in North America, Isokorb's low thermal conductivity and integral load-bearing capacity saves energy and eliminates the risk of condensation and mold.

Photo courtesy of: Schöck USA Inc.

Notes to the editor

Schöck: The Leading Thermal Break Supplier.

Headquartered in southern Germany, Schöck develops and produces innovative components, solving thermal bridges and impact noise in buildings. For almost thirty years, the Schöck Isokorb product range has led the market in providing exceptionally high performance thermal break and reinforcement solutions for houses, industrial and commercial buildings with balcony, canopy, and beam connections. Schöck Isokorb® type CM and S provide solutions to prevent thermal bridging and allow design freedom for concrete-to-concrete and steel-to-steel cantilever connections.

Since the Isokorb® line was introduced, Schöck group of companies has installed more than 36 million linear feet of the product. Schöck provides high-quality, easy-to-install products with the highest level of technical back-up and comprehensive customer service to the construction industry – for simply better building.

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