

Fact Sheet



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Schöck Isokorb® Fact Sheet

Balconies and canopies, important parts of modern buildings, can often lead to thermal bridges that create significant heat and energy loss.

Isokorb® is a load bearing, thermal insulation element to minimize thermal bridges in cantilever components made of concrete and steel.

Benefits

- Avoids damage to buildings at the interior parts of the building assembly due to condensation and mold.
- Minimizes thermal bridges, saving energy and reducing CO₂ emissions.
- Contributes to LEED®, Passive House and other building certifications.
- Improves living comfort by increasing floor temperatures at exterior walls.

Products

Schöck Isokorb® type CM – For concrete-to-concrete construction
Manufactured from state-of-the-art stainless steel and the HTE-module with steel fiber reinforced UHPC, this thermal break product guarantees the highest quality thermal partitioning for balconies and floor slabs. The dramatically reduced heat outflow creates higher interior surface temperatures, eliminating the risk of extra condensation, damage and mold growth.

Schöck Isokorb type CM combines an insulating component, tension and shear force rods, and pressure bearings, which provides the optimum combination of pressure-force transmission and thermal insulation.

- Avoids building damages and contributes to healthy indoor air quality by eliminating the risk of condensation and mold in the area of the thermal break connection.
- Reduces operating costs for space heating – with energy savings of up to 14% depending on the building's design.
- Contributes towards sustainability and LEED® certification.
- Improves living comfort by increasing floor temperatures at exterior walls by up to 7.5°C (13°F) depending on the building's design.

Schöck Isokorb® type S – For steel-to-steel construction
For cantilever beams or canopies, balconies or walkways, Schöck Isokorb® type S offers complete freedom of design when it comes to steel construction. With corrosion-resistant stainless steel components, the unit is able to withstand extremely demanding loads and is effective against bending movement and shear force.

- Minimizes thermal bridges, eliminating condensation and dew point problems.
- Increases property market value through energy savings and sustainable design and possible LEED® certification.
- Modular system is easy to install.
- Can be used for connections with all profile sizes and structural loads.

[Schöck Isokorb Type CM.tif]



Thermal insulation for concrete slab construction – Schöck Isokorb Type CM.

Photo courtesy of: Schöck USA Inc.

[Schöck Isokorb Type S.tif]



Thermal insulation for steel structures – Schöck Isokorb Type S.

Photo courtesy of: Schöck USA Inc.

About Schöck USA Inc.

Schöck USA Inc., located in New York, NY offers the product for thermal insulation of cantilevered components such as balconies or canopies of the building - the Schöck Isokorb.

The Schöck Isokorb reduces thermal bridges between foreign and internal component to a minimum. The risk of condensation formation and consequent structural damage and possible mold growth is prevented. The Schöck Isokorb can be used in both Institutional Buildings and High Rise Residentials. The product lines of Schöck Isokorb Type CM and S allow the thermal insulation of concrete and steel connections and offer maximum design freedom. At the same time the products ensure structural integrity.

Schöck USA Inc. is a subsidiary of the German Schöck Group. As a leading specialist in this segment Schöck develops and produces innovative products for structural applications with additional structural-physical benefits. The focus concentrates on innovative solutions to avoid thermal bridges and impact noise in buildings. Besides product solutions Schöck emphasize on advice and support prior, during and after installation of the products. Schöck provides high-quality, easy-to-install products with the highest level of technical support and customer service.

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