

Solutions to Thermal Bridging. Sustainable Comfort and Efficiency.



The Balcony Connects to the Outdoors. Insulate with Structural Thermal Breaks.

Buyers Demanding Luxury

Luxury condominiums with extended views, enhanced comfort, and sustainable initiatives are in demand. Developers are differentiating by providing high-performance efficiencies coupled with luxury features. One such feature is the balcony, cantilevering from the residence and adding square footage to the outdoor space.

Balconies and Thermal Bridging

While balconies provide an advantage to gaining buyers, no feature is worth future construction repairs and damaging your image. When constructing a cantilevered balcony, thermal bridging must be dealt with to avoid cold floors, energy loss, and potential mold growth.



High-performance balconies provide added outdoor areas without the risk of thermal bridging damages.

Mitigate Thermal Bridging.

The thermal bridging issue has a long history of damages relating to leaky balconies and building envelope failures. The resulting moisture and mold damages extend from health, liability and property damages. The solution is simple with innovative construction methods for balconies.

A Balcony Divided

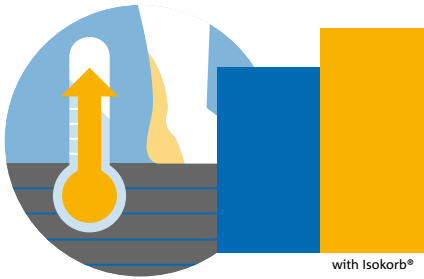
Interior concrete floors penetrating through the wall to the exterior balcony requires insulation to limit heat loss and avoid cold floors at the interior. Schöck Isokorb® structural thermal breaks are a simple solution to insulating the balcony connection.



Placement of structural thermal breaks in the balcony to ensure a continuous insulation layer.

Providing Performance and Value Add. Schöck Isokorb® Improves Energy Efficiency.

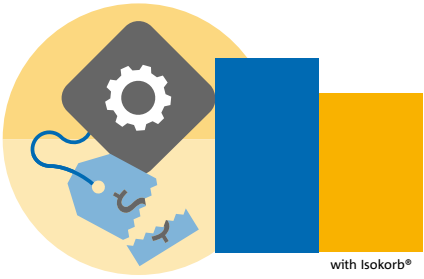
Surface Temperatures



Structural thermal breaks can increase surface temperatures by up to

**13°F/
7°C**

Operating Costs



Structural thermal breaks reduce operating costs for heating with savings in energy costs of up to

14%

1. Morrison Hershfield Thermal Performance of Building Envelope Details for Mid- and High-Rise Buildings (1365-RP)



Schöck Isokorb®

- ▶ Avoids maintenance costs and damages to the buildings due to condensation and mold.
- ▶ Reduces operating costs for space heating with energy savings up to 14%
- ▶ Improves living comfort by increasing the surface temperature by up to 13 °F / 7 °C.

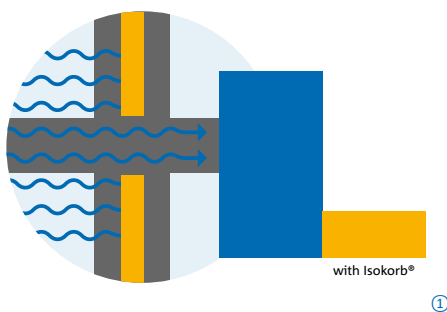
Avoid Cold Feet. Prepare for the Changing Codes.

Schöck Isokorb® is a structural thermal break. This high-quality German product is engineered to solve thermal bridging, reducing the heat loss by 75% through the balcony. With over 30 years of proven performance, Schöck Isokorb® will set your property apart with ease of design and energy efficiency.

Energy Efficient Schöck Isokorb® for Safety and Comfort.

Comfort is “in” and warm floors are possible with Schöck Isokorb®. The energy savings are passed on to the buyer, and the risk of mold and moisture is mitigated.

Operating Costs



Compared to a conventional continuous balcony, structural thermal breaks cut heat flow through and around the slab by

75%

Sustainable-luxury for Future Codes

Providing an energy efficient property with Schöck Isokorb® demonstrates your commitment to quality and comfort to your buyers. Now is the time to future-proof your buildings for continuous insulation code changes.

Liability of the Balcony

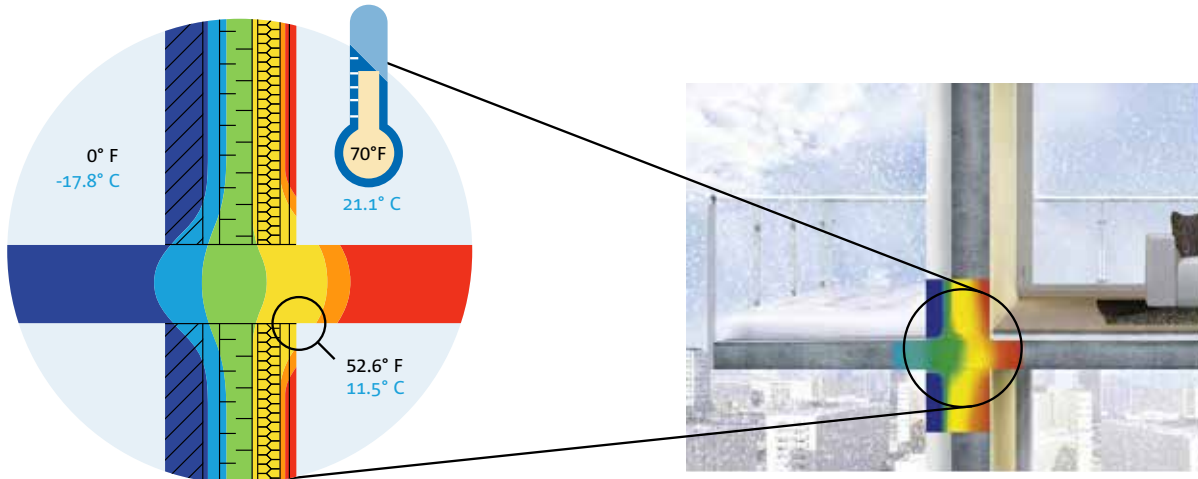
As the developer, you have the responsibility of the balcony. Provide thermal efficiency at the core with Schöck Isokorb® for high-performance quality.



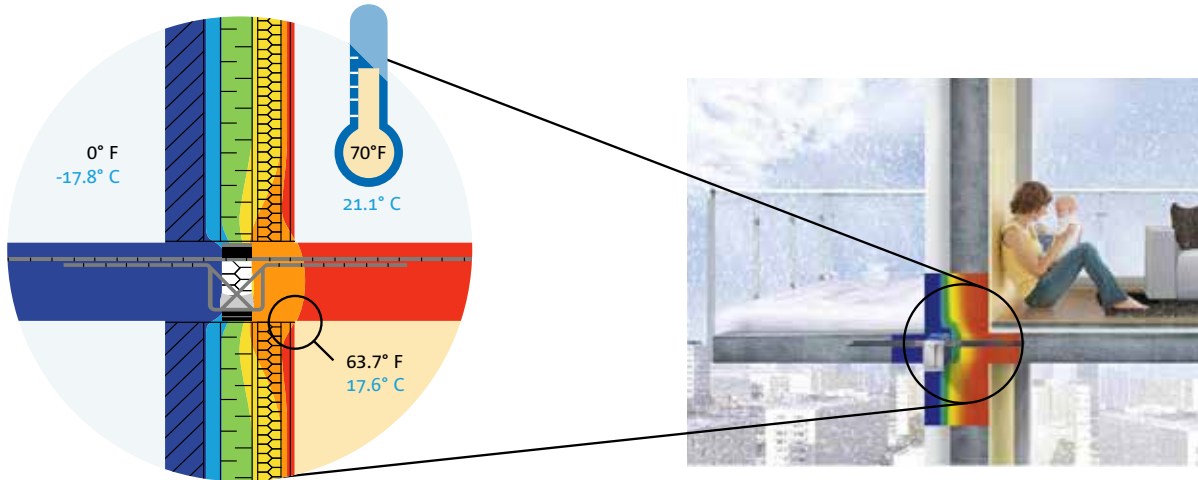
Cold feet are a common complaint in concrete structures which can easily be solved with Schöck Isokorb® structural thermal breaks.

Thermal breaks provide increase surface temperatures, reducing the risk of condensation and moisture.

WITHOUT THERMAL BREAK



WITH THERMAL BREAK



F	0	23	34	46	70
C	-17.8	-5	1.1	7.8	21.1

Schöck is Your Partner. From Design Through Installation.

We partner early in the design process.

Schöck is dedicated to exceptional customer service and support. Our team assists with construction inquiries through the installation process to ensure your success and satisfaction. Prepare to stay one step ahead with Schöck Isokorb®.



Recent Concrete Balconies with Isokorb® Structural Thermal Breaks:

Project:	Location	Developer
LIDO	Vancouver, Canada	Bosa Properties
Chelsea Green	New York, NY	Alfa Development
199 Mott Street	New York, NY	Alfa Development
Cedar Spring	Vancouver, Canada	Pacific Arbour
15 Leonard Street	New York, NY	Gold Development
The River	Calgary, Canada	Ledcor Properties
155 E 17th Street	New York, NY	Anbau

To ensure the high quality residence Alfa Development buyers expect, Schöck Isokorb® structural thermal breaks are installed to ensure thermal comfort and sustainable structures.

Schöck Customer Services.

Support with Expertise.



Our experts in the Technical Design Support department are ready to help you with your design and construction inquiries by providing general advice, along with detailed plans, project solutions, building physics analysis and calculations where necessary.

Exceptional customer service and support are paramount to our success and we offer:

- ▶ Structural planning and design services
- ▶ Building physics analysis
- ▶ Technical assistance
- ▶ In-house training
- ▶ AIA CES seminars
- ▶ Manufacturer's installation guidance

Visit our website in Canada at www.schoeck.ca, or in the USA at www.schock-us.com for more information about:

- ▶ Our products
- ▶ Case studies
- ▶ Training seminars
- ▶ The latest company news
- ▶ Subscribing to our newsletter



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