



SCHÖCK PT SOLUTION

Thermal Break Solutions For Post-Tensioned Construction.



Post-tensioned solution for concrete thermal breaks

A simple solution for PT applications

Isokorb® structural thermal breaks insulate connections and prevent thermal bridging. Schöck's PT solution offers an efficient way to utilize them in post-tensioned applications.

Simple and straight forward, Schöck's Isokorb® PT solution for post-tensioned applications consists of a modifier module integrated into your Isokorb® structural thermal break design that allows tensioning cables to pass through the thermal break. It offers greater design flexibility and efficiency, allowing you to optimize your PT project while taking advantage of the benefits of thermal breaks – energy efficiency, thermal comfort and the prevention of condensation and mold.

Simplicity

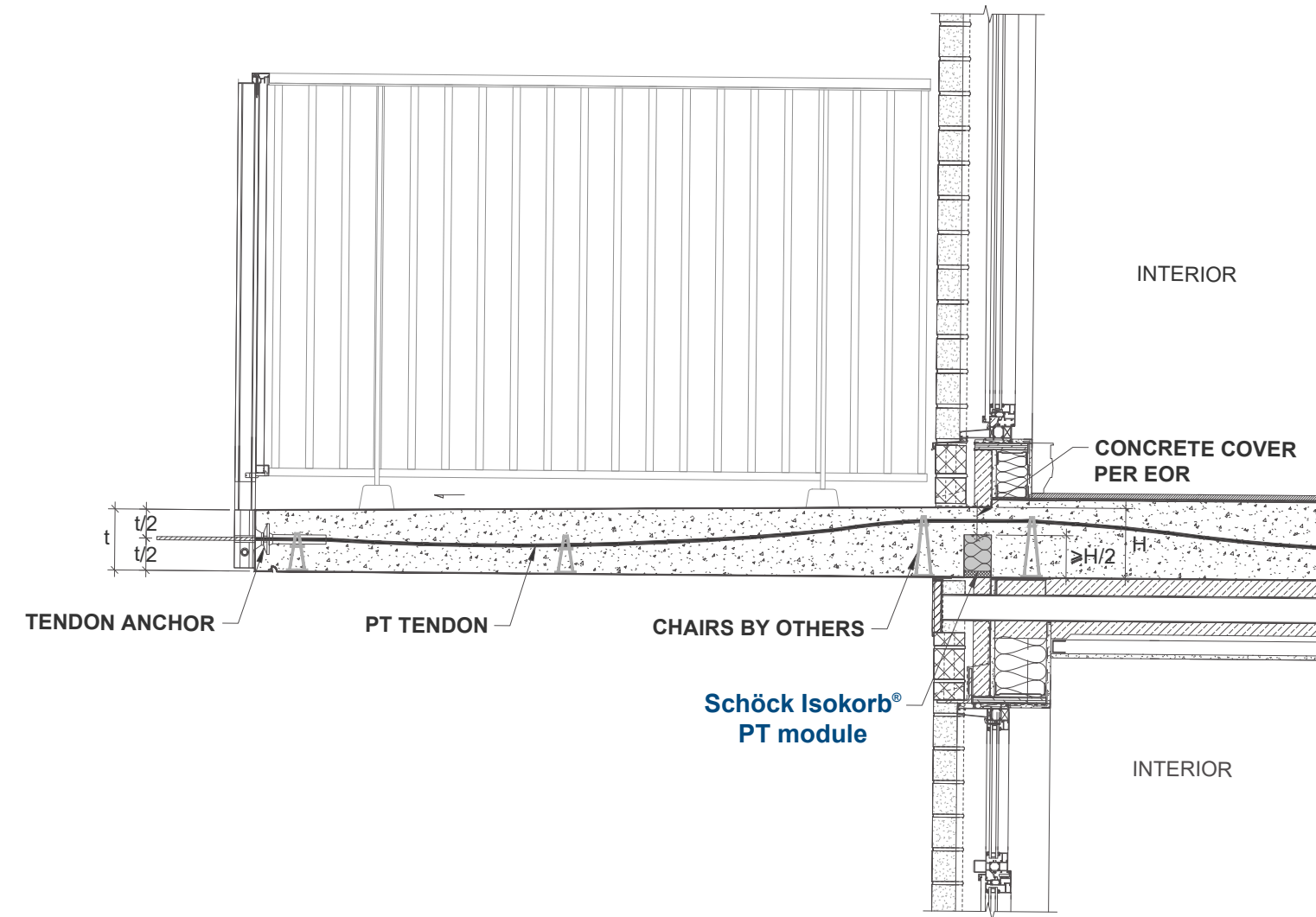
- Easy integration with Isokorb® structural thermal breaks
- Symmetrical modifier module for foolproof installation

Versatility:

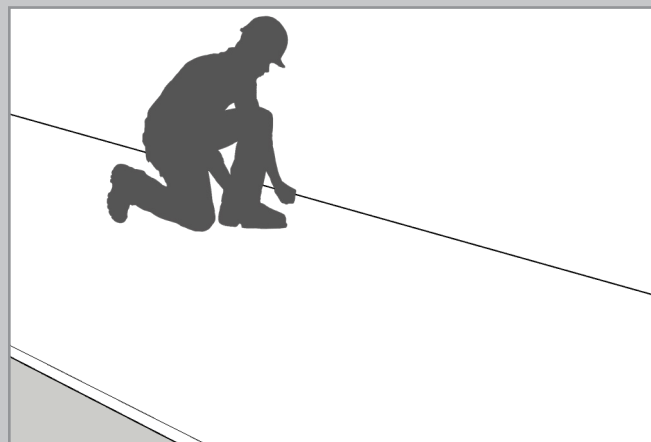
- Open access pass-through design allows for simple on-site adjustments
- Freely moving tendons provides greater installation flexibility

Efficiency:

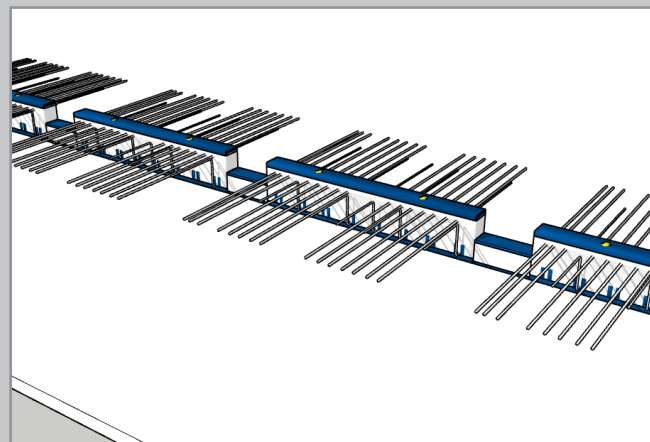
- Quicker, less labor-intensive installation than threading tendons through module
- Single pour for balcony and slab reduces formwork labor, saving time and expense
- Tensioning all at once streamlines construction process



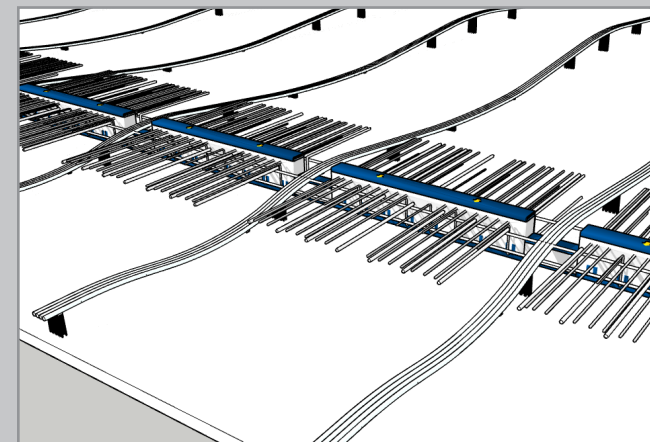
Isokorb® PT solution installation



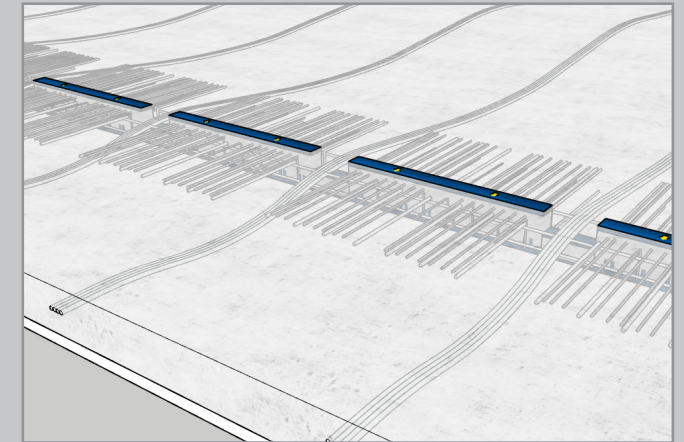
STEP 1: Mark the location on the formwork where the thermal breaks will be placed.



STEP 2: Place and secure thermal break modules according to project-specific layout drawings, following all material-specific installation guidelines.



STEP 3: Install required edge reinforcement and PT assembly per project drawings.

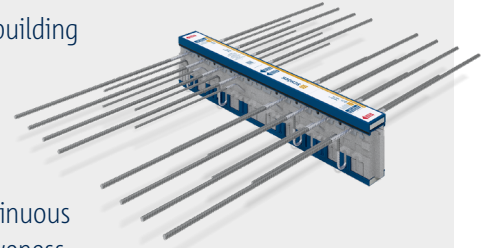


STEP 4: Pour concrete and proceed with tensioning.



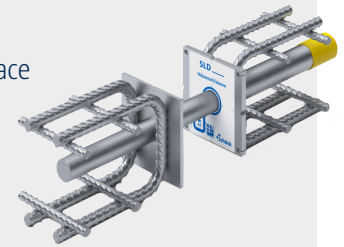
Isokorb® Structural Thermal Breaks

- Improve effective R-value of the building envelope by up to 50%
- Reduce heat loss by up to 90%
- Prevent condensation and mold
- Meet code requirements for continuous insulation with maximum effectiveness



Dorn Shear Force Dowels for Expansion Joints

- Prevent expansion joint cracks caused by shrinkage or temperature changes
- Simplify design, while optimizing available space
- Heavy-duty load-bearing capacity
- Corrosion-resistant high-grade stainless steel
- Simple installation



Bole Punching Shear Reinforcement

- Reinforce concrete slabs against punching shear failure
- Double-headed configuration can be installed before or after placing rebar
- Complies with ASTM 1044-16
- ICC approved
- Forged studs, yield strength 72,500 psi



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and ICC approved
products.**