



PREFABRICATION

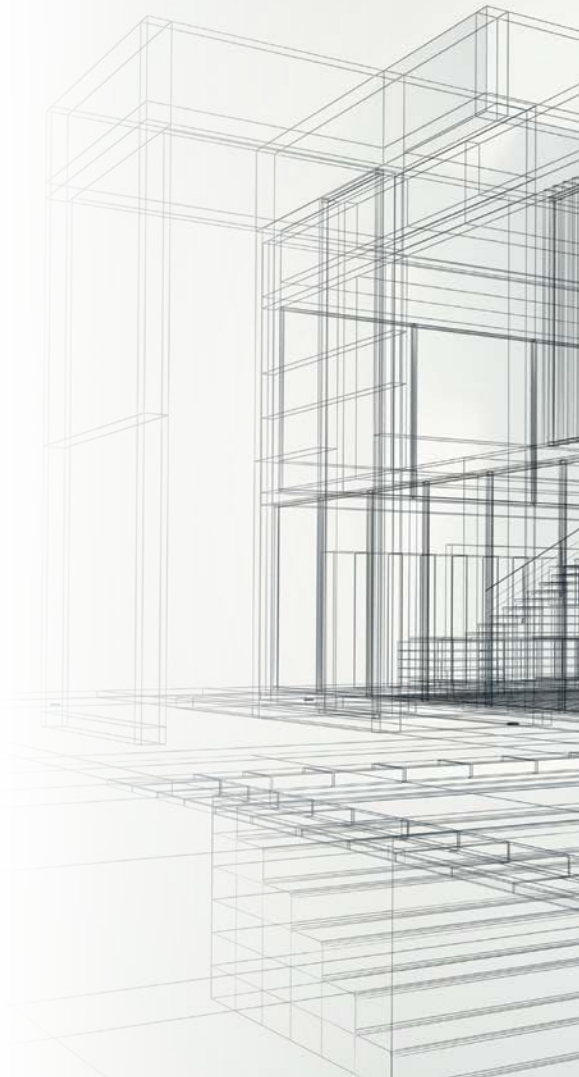
Innovative solutions for the precast concrete industry.



Thermal insulation for balconies, parapets and facades, sound insulation for staircases and slab reinforcement.

Dependable by design. Since 1962.

In modern construction, factors such as sustainability, safety and time play a decisive role. Prefabrication enables high precision and quality of the components, and significantly shortens the construction time. Since its foundation, Schöck has been developing and systematically incorporating innovative solutions for the precast industry in its portfolio to meet these challenges. What sets the company apart is the extensive experience of six decades, which ensures the reliability of its products and services. Committed to innovating, Schöck continues to set standards in the industry.



From the very beginning, I have searched how to improve and streamline construction processes, and my first industrial products focused on concrete.

Eberhard Schöck †
Company founder



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PRECAST BALCONIES

Schöck Isokorf® – Ultimate insulation for balcony connections

The ready-to-use, structural thermal break Schöck Isokorf® type K ensures the thermal separation of reinforced concrete components and prevents thermal bridges at balcony connections and other cantilevered parts of the building.



Benefits

- **Enhanced product portfolio**
High-end precast balconies with integrated thermal insulation
- **Solutions for any requirement**
Available with 80 or 120 mm insulation and suitable for slab thicknesses ranging from 160 to 250 mm
- **Comprehensive safety**
With integrated fire protection and European Technical Approval (ETA)
- **High thermal efficiency**
Passive House certified component



Schöck Isokorf® XT type K



For more information and
installation video:
www.schoeck.com/isokorb/en

At the precast plant

Lightweight for easy processing, tongue and groove system for a secure line-up of the elements, as well as easy cutting to the required length. For half and fully prefabricated units.

Installation on site

Simple installation of the precast balcony with integrated insulation at the construction site. The reinforcement of Schöck Isokorf® is easily inserted into the on-site reinforcement.





PRECAST BALCONIES

Schöck Isokorf® IQlick – Create more flexibility in the construction process

Assembling balconies from the crane; Retrofit, more flexible, efficient, faster and with the same reliable anchoring technology including thermal bridge interruption for which Schöck is renowned.



Benefits

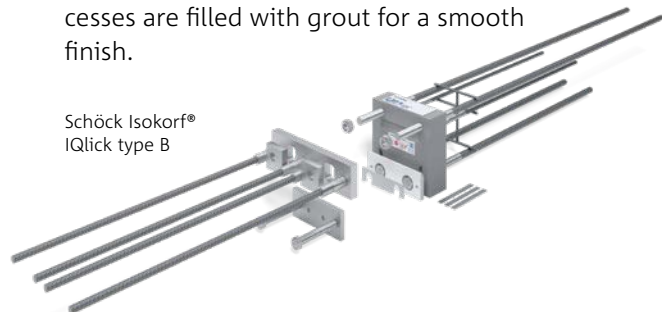
■ IQlick type A

The Schöck Isokorf® IQlick system allows the balcony to be anchored from the crane in 15-25 minutes. The anchoring consists of two components, where an Isokorf® IQlick element is cast both in the floor and in the balcony element using a special mold. During installation on-site, the threaded rods of the balcony are secured into the special mounting plate in the floor with two nuts. The recesses are filled with grout for a smooth finish.

■ IQlick type B

Like type A, the Isokorf® IQlick type B uses post-installation from the crane. This system also consists of two components. Unlike type A, the anchoring plate for type B is installed in the balcony element. The facade can be completely finished and made watertight before the balconies are anchored later. The recesses are filled with grout for a smooth finish.

Schöck Isokorf®
IQlick type B





At the precast plant

In the precast balcony, the collapse parts are fitted. In the hollow recesses there is sufficient space to fix the nuts on the threaded rods.



Installation on site

The prefab element is positioned from the floor by the assembly crew positions it in place. The special plastic plate with 'finder' ensures that the balcony is positioned correctly on the Isokorf® element. The studs protrude through the steel mounting plate.



For more information:
www.schoeck.com/nl/isokorf-iq





PRECAST BALCONIES WITH FLEXIBLE INSTALLATION TIME

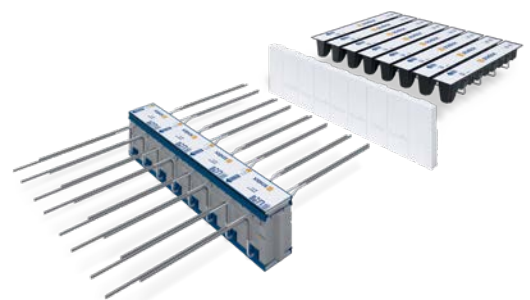
Schöck Isokorf® ID – thermal insulation and optimised construction process

Schöck Isokorf® ID combines retrofit anchoring of precast concrete units with the proven Schöck Isokorf® technology. This allows the building structure to be almost completely finished before the precast concrete elements are anchored.



Benefits

- **Greater flexibility**
Efficient production planning and workload management in the precast plant
- **Comprehensive safety**
With integrated fire protection and German technical approval by DIBt
- **Efficient planning**
Flexible installation time for the precast units on site
- **Time and cost saving**
Balcony completely self-supporting and loadable after 48 hours – scaffolding only required for a short period of time



Schöck Isokorf® XT type K-ID



At the precast plant

Easy processing thanks to tongue and groove system for a secure line-up of the elements. For half and fully prefabricated units.

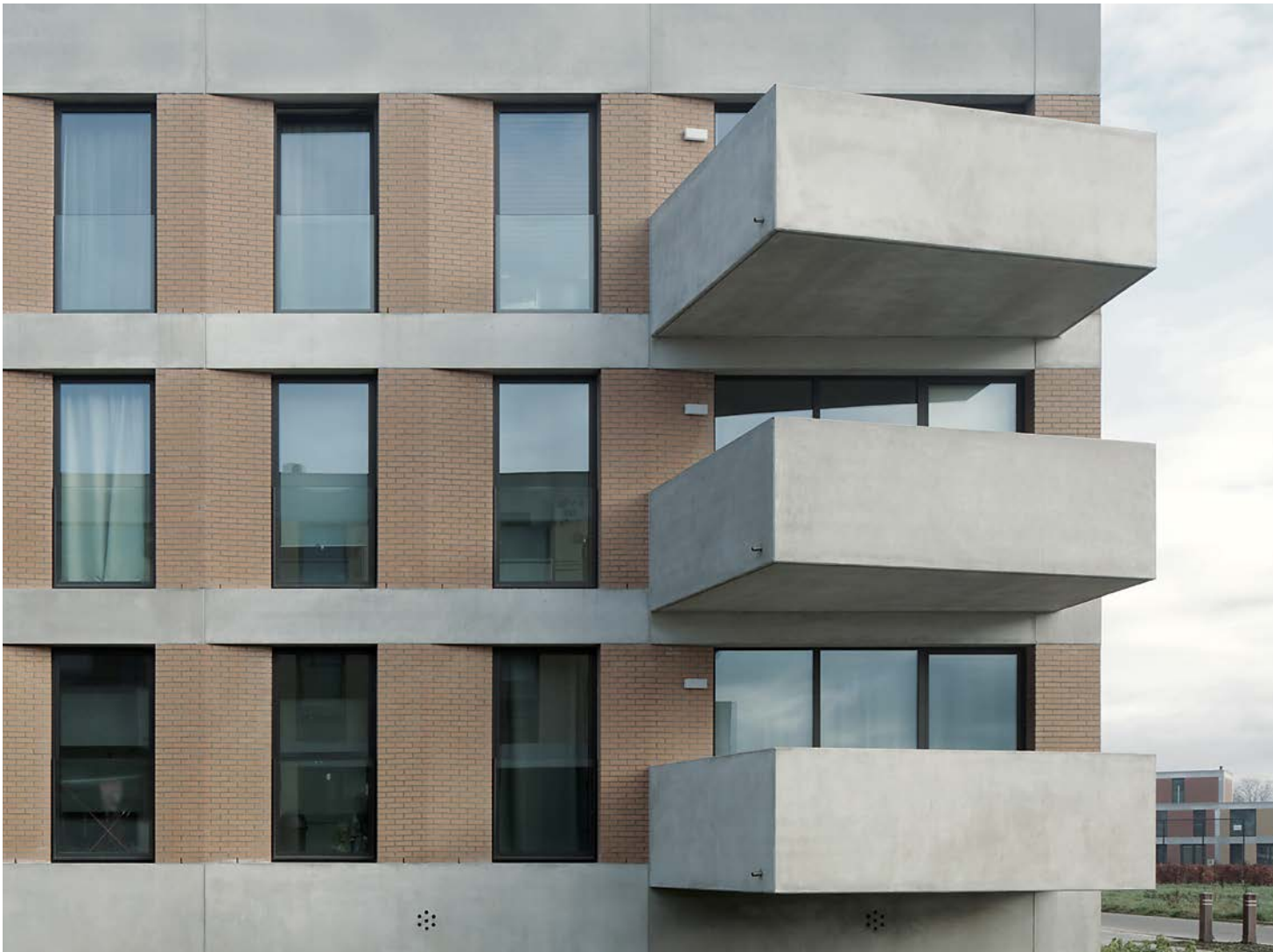


Installation on site

Prefabricated balconies with Schöck Isokorf® ID are simply inserted into the planned recesses in the slab before the concrete is poured.



For more information and literature:
www.schoeck.com/isokorb-id/en





PRECAST PARAPETS

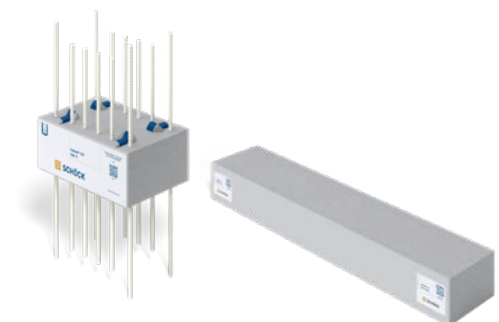
Schöck Isokorf® – best thermal insulation system for parapet connections

Schöck Isokorf® CXT type A is a load-bearing thermal insulation element with reinforcement bars made from glass fibre composite material. It is the sustainable solution for the thermal insulation of parapets and roof overhangs.



Benefits

- **Enhanced product portfolio**
High-end precast parapets with integrated thermal insulation
- **Simple and fast installation**
Installed directly on the formwork, with adjustable reinforcement bars for height compensation
- **Solutions for any requirement**
Available in width from 150 to 280 mm – other widths on request
- **Comprehensive safety**
With design calculation software and German technical approval (DIBt)



Schöck Isokorf® CXT type A and Part Z



At the precast plant

The reinforcement bars located at the corners allow for easy installation directly onto the formwork, and the height can be adjusted accordingly.



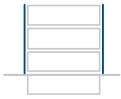
Installation on site

The precast parapet or roof overhang can be easily installed on site and inserted into the slab reinforcement.



For more information:
www.schoeck.com/cxt-a/en

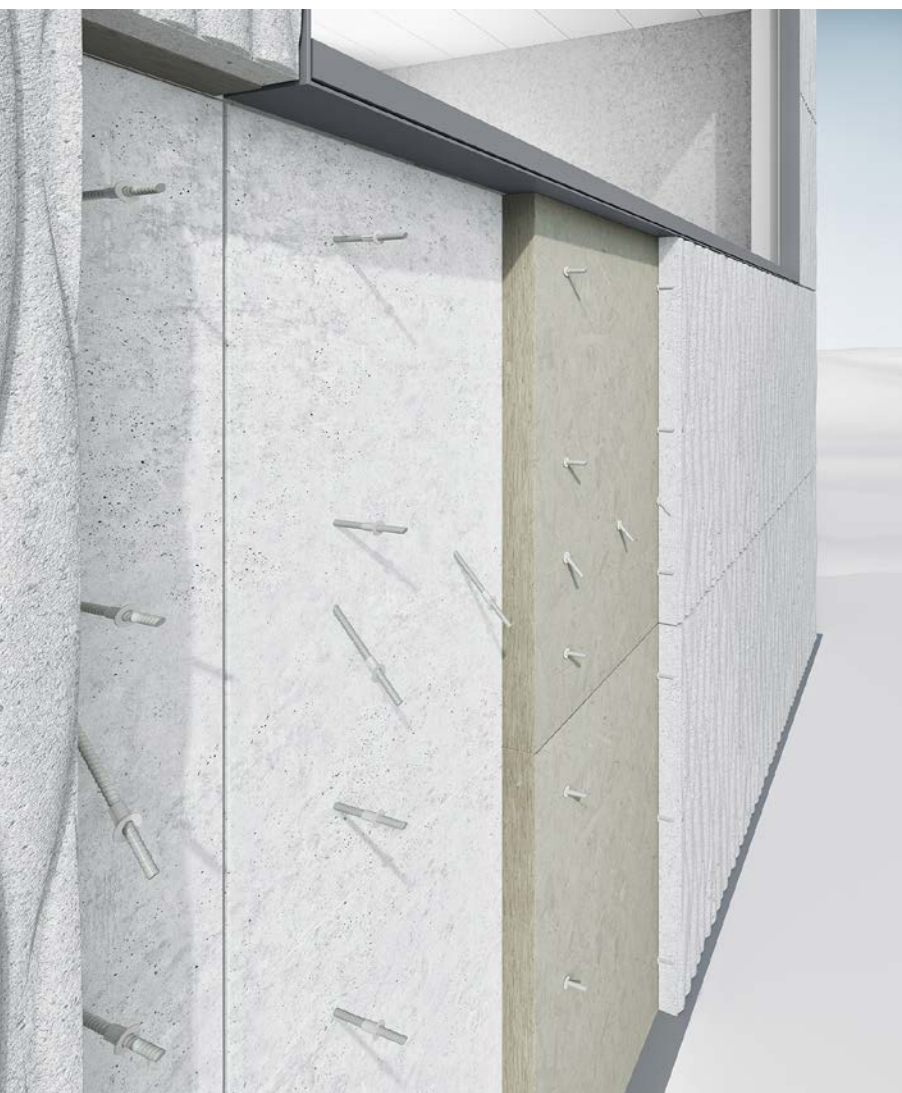




PRECAST WALLS

Schöck Isolink® – thermal bridge-free fastener for concrete façades

Schöck Isolink® type C is a thermally separating glass fibre composite fastener suitable for all types of core-insulated concrete walls and façades. It is ideal for a wide range of buildings, from industrial halls and warehouses to offices and residential buildings.



Benefits

- **Simple installation**
Compact and light – can be used with any type of insulation material
- **Economical**
Small dimensions and less fasteners needed – saves warehouse space
- **Comprehensive safety**
With design calculation software and European Technical Approval (ETA)
- **High thermal efficiency and quality**
Passive House certified component, also suitable for exposed concrete façades



Schöck Isolink® type C



At the precast plant

The round bar can be easily inserted into the thermal insulation layer. The system is suitable for any core-insulated concrete wall.



Installation on site

The core-insulated wall is delivered ready for installation. Schöck Isolink® allows large, up to 6 x 12 m wall geometries without joints.



For more information and installation video:
www.schoeck.com/isolink-c/en





PRECAST STAIRS

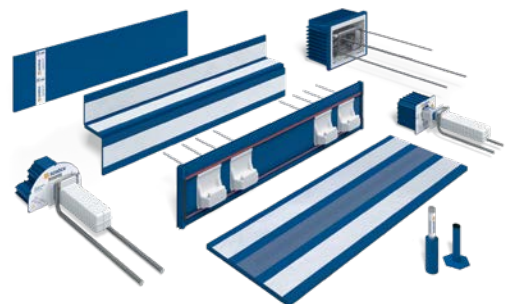
Schöck Tronsole® – effective sound insulation system

Schöck Tronsole® is a ready-to-use impact sound insulation system for all staircase connections, providing the highest level of sound protection. Perfectly matched solutions for every type of reinforced concrete staircase.



Benefits

- **Enhanced product portfolio**
High-end precast stairs with integrated impact sound insulation system
- **Standardised solutions for any requirement**
Suitable for spiral or straight staircases or for landings only
- **Step-by-step explanations**
Installation videos show the individual steps – for landings, straight and spiral staircases.
- **Comprehensive safety**
Structural types with German technical approval (DIBt)



Schöck Tronsole®



For more information and
installation videos:
www.schoeck.com/tronsole/en

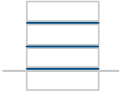
At the precast plant

Schöck Tronsole® is suitable for half-precast or full-precast stairs and landings, depending on the types and the requirements.

Installation on site

The precast stair or landing is delivered ready for installation. The blue line is as visible quality feature for a sound bridge-free installation.





PRECAST SLABS

Schöck Bole® – efficient punching shear reinforcement

Schöck Bole® type F provides optimum force resistance for slabs around columns, preventing punching shear failure without increasing the slab thickness. The practical “click-system” was developed in collaboration with precast concrete factories – for a quick and simple installation.

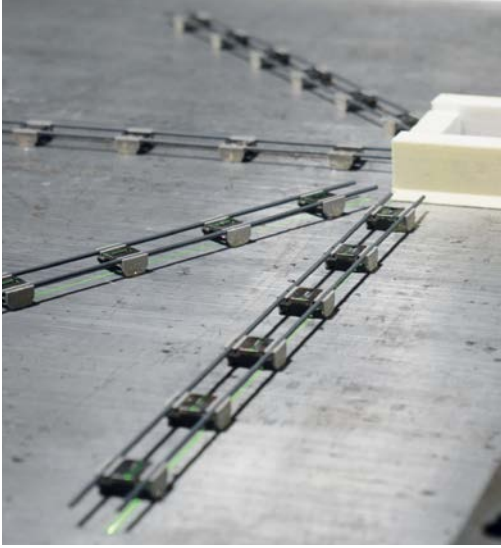


Benefits

- **Easy and quick installation**
Shear studs are simply “clicked” into place after installing the slab reinforcement
- **Safe positioning**
Rails and additional spacers ensure correct positioning and proper concrete cover
- **Customised production**
Spacings and numbers of studs are manufactured to the customer’s requirements
- **Comprehensive safety**
With European Technical Approval (ETA)



Schöck Bole® type F



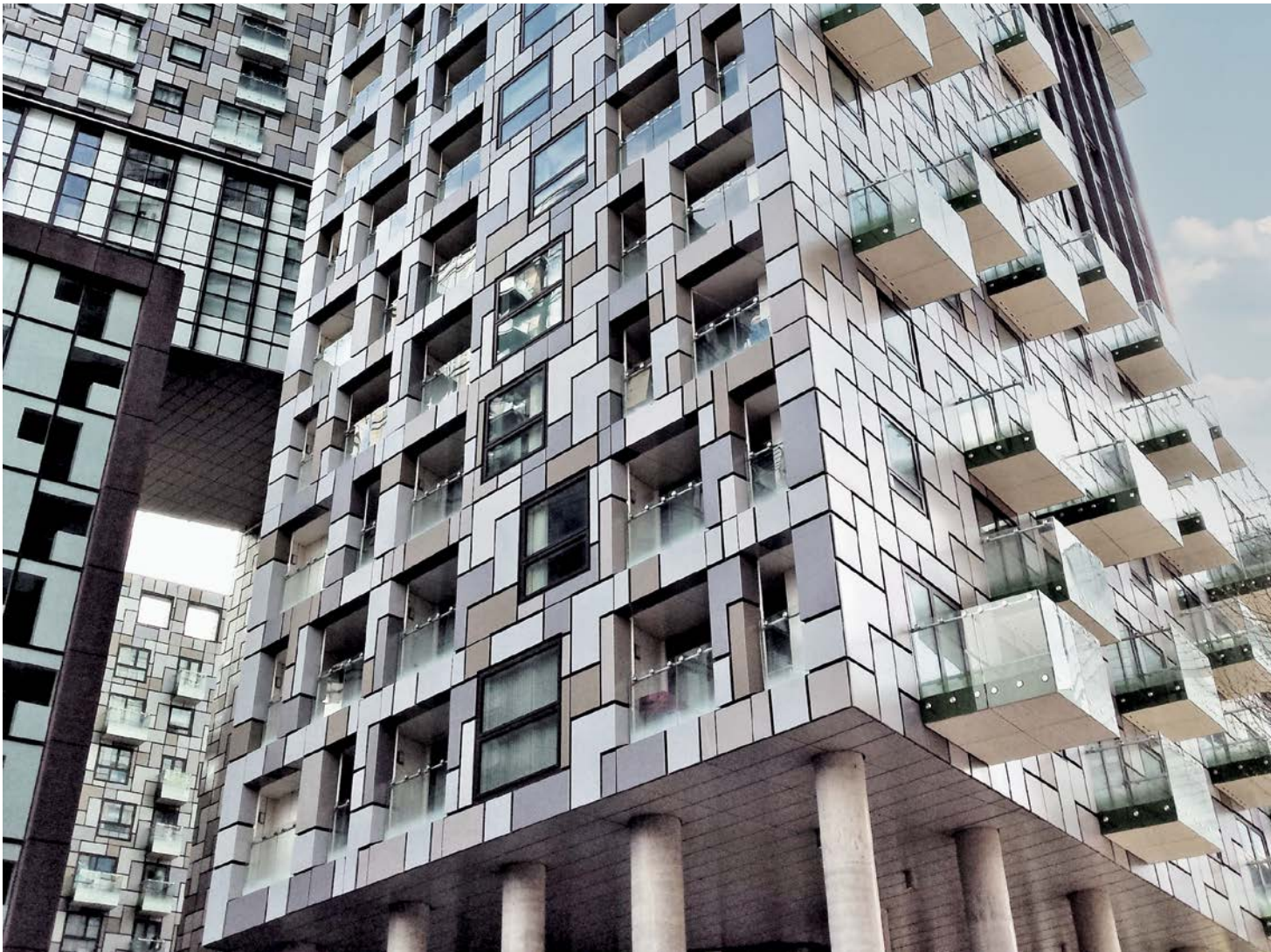
For more information and
installation video:
www.schoeck.com/bole-f/en

At the precast plant

Once the rails are positioned on the formwork table, the installation of slab reinforcement and shear studs can be easily completed.

Installation on site

Delivery of the precast flat slabs with integrated punching shear reinforcement to be arranged around the column formwork on site.



CASE STUDIES

Exceptional buildings made with exceptional precast.

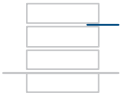
Although not visible when the building is completed, Schöck products are indispensable and play an integral role in the realisation of remarkable projects, raising construction standards and setting new benchmarks for sustainability and design. This selection of projects demonstrates the versatility and adaptability of our precast solutions.



The Cube

For the core-insulated walls of the world's first building made entirely of carbon concrete, the TU Dresden opted for the Isolink® facade anchor. Its non-metallic properties were the decisive factor. The reinforcement for the strikingly curved roof was also supplied by Schöck.





Paragon

In this residential complex, custom-made Schöck Isokorf® elements provide the thermally insulated connection of the cube-shaped, eye-catching and precisely manufactured prefabricated balconies to the structure of the building.



European Molecular Biology Laboratory (EMBL)

This building houses highly advanced microscope technology that needs almost constant temperature. The homogeneity of the thermal envelope is therefore crucial. The flat roof which serves as an outdoor facility is bordered with glass and prefabricated concrete parapets. Schöck Isokorf® reliably ensures both the structural connection of the precast parapets and the thermal separation from the roof and the sensitive rooms below.

RELIABLE SERVICE

Schöck – a strong partner at your side

Whether during planning, in the concrete plant or on site: Schöck has experts on hand to provide advice at every stage of the project. The scope of services is thereby always tailored to fit the individual needs of every project. When it comes to overcoming challenges, Schöck's team of experts draws on many years of expertise as a reliable partner.





Our skills and competencies

- **Extensive expertise**
Further solutions, i.e. for internal insulation or retrofitting
- **Design support**
To ensure the correct and efficient application of Schöck solutions
- **Customised solutions**
For non-standard requirements or installation situations
- **Technical proposals**
To help with any structural questions you may have
- **CAD/BIM libraries**
For the integration of detailed Schöck applications into your plans
- **Layout plans, details and section drawings**
Customised for your specific project
- **Design software**
Schöck's own softwares and integration in other design softwares
- **Installation videos**
With detailed information on the installation steps

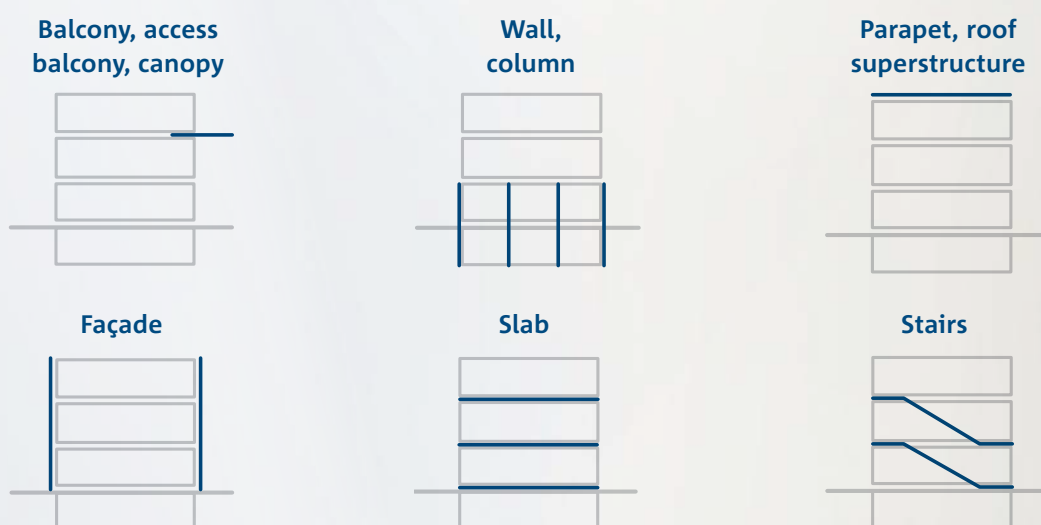
Schöck is happy to offer services from design consultation through to planning and installation.

Phone: +49 7223 967 144,
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COMPREHENSIVE EXPERTISE

Dependable solutions.

Using our future-proof product solutions and systems, we fulfil all structural, physical and construction requirements of the respective application for new construction projects and existing buildings. Our main areas of focus are the reduction of thermal bridges, impact sound insulation and reinforcement technology.



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