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Latest generation Isokorb pushes the boundaries

The best thermally performing product on the market

Since its first Isokorb product was introduced to the market in the early 1980s, Schöck has increasingly dominated the design and development of safe, state-of-the-art high performance thermal break solutions across international markets. Today, with increasingly stringent EU guidelines, whereby from 2021 all new buildings have to be designed according low energy building standards; plus challenging building regulation requirements; the demands for improved thermal insulation have never been greater. To help push the boundaries in meeting those demands, and stay ahead of the game, Schöck has developed the latest generation Isokorb type KXT, for concrete-to-concrete applications.

This latest type KXT is the best thermally performing product on the market – 25% thermally better than the previous generation and generally 33% better than the conventional type K range. It is assessed as a ‘Certified Passive House Component’, a standard increasingly being specified in the UK, making it possible for cantilevered balconies to be built in passive houses.

The major differentiating feature of the KXT range over the conventional type K range is the 120mm insulation thickness (80mm with the type K). This Passive House certified system also incorporates the very latest design of compression module – the HTE Compact®. Along with an optimised load-bearing concept it provides not only thermal but is also cost-

effective benefits. Other features of the latest type KXT are that it is fire-resistant to 120 minutes (REI120); allows for BIM planning; meets compliance with the relevant building regulations and provides LABC Registration and NHBC approval. The XT range offers a wide variety of solutions for concrete-to-concrete thermal bridging situations, examples being; balconies; with or without offsets; loggias; corner balconies and walkways.

The product is already technically approved by the BBA and it comes with an additional independent thermal evaluation by Oxford Brooks University.

The temperature factor used to indicate condensation risk for occupants in residential or commercial buildings – the (fRsi) value – must be equal to or greater than 0.75 or 0.50 respectively, and is comfortably met by incorporating the Isokorb. It also complies with the Government Standard Assessment Procedure, SAP 2012, concerning CO2 emissions from buildings and respectively heat losses through non-repeating thermal bridges.

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Notes to the editor

A leading European supplier

Schöck has grown to become Europe's leading supplier of innovative structural load bearing insulation products. The main product is the Schöck Isokorb – a thermal break for various types of cantilever constructions in new buildings and for renovation. Its headquarters are at Baden-Baden in southern Germany and there are subsidiary companies in Great Britain, France, Austria, Switzerland, Italy the Netherlands, Belgium, Poland, Hungary, Russia, Japan, Canada and the USA. Sales teams and partners operate in many other European countries and also Australia and South Korea. Schöck is committed to providing the highest level of technical back up and comprehensive customer service to the construction industry.

Images

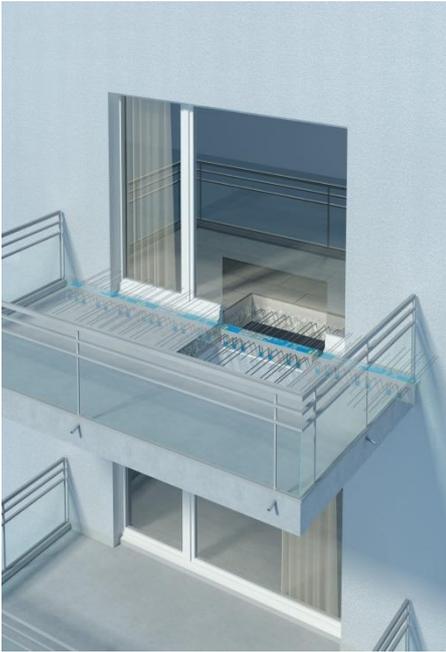
[cantilever balcony.jpg]



The Isokorb XT makes it possible for cantilever balcony construction to be built to passive house standards

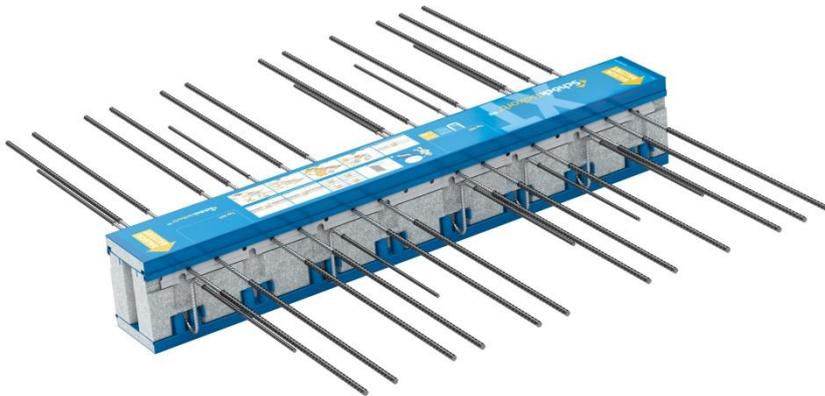
Image: Schöck Ltd.

[animation_Isokorb KXT.jpg]



Showing the latest KXT in a typical installation situation Image: Schöck Ltd.

[Schöck Isokorb XT_new generation.jpg]



The best thermally performing product on the market with 25% improved thermal insulation over the previous generation Image: Schöck Ltd.