



PRESS RELEASE

Schöck Ltd

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March 2013

Isokorb type KS – for concrete-to concrete connections

The Isokorb type KS is a highly cost-effective load-bearing, thermal insulating element for connecting cantilevered steel components to reinforced concrete. It now has around 20 percent more load-bearing capacity in the bending moment, which means that the number of components required for use on site can be reduced, saving on expensive structural steel and valuable installation time.

In addition to the higher load-bearing capacity, the insulation performance has also been improved and thermal conductivity is now 0.031 W/(mK). This is due to the Neopor® insulating element (a foamable EPS polystyrene material) with added graphite from BASF.

The different types available ensure the transmission of shear, bending moment and tension, as well as compression.

All of the Isokorb thermal break modules provide BBA Certification and LABC Registration, with the range comfortably exceeding the UK regulation (BRE IP1/06). This requires that the temperature factor used to indicate condensation risk (f_{RSI}), must be greater than, or equal to, 0.75 for dwellings, residential buildings and public buildings. There is also compliance with the Government Standard Assessment Procedure, SAP 2009, concerning CO₂ emissions from

buildings and respectively heat losses through non-repeating thermal bridges. Here, the lambda values of the Schöck Isokorb® enable energy loss in various connective situations to be reduced by as much as 84% to 91%.

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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. Its headquarters are at Baden-Baden in southern Germany and there are subsidiary companies in Great Britain, France, Austria, Switzerland, the Netherlands, Belgium, Poland, Italy and Hungary. Sales teams and partners operate in many other European countries and also Canada and the Middle East. Schöck is committed to providing the highest level of technical back up and comprehensive customer service to the construction industry.

Images



