



Certificate No: EW57



This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Schöck Isokorb

Description of Product

Schöck Isokorb is a range of load bearing thermal break insulation components, used for thermally separating components from one another.



Key Factors Assessed

- Mechanical resistance and stability
- Energy Economy and heat retention
- Durability and serviceability

Validity

This certificate was first issued on 14th December 2010 and is valid until 19th December 2019

Issue Dated 4th February 2016

Scope of Registration

This Registered Detail relates to Schöck Isokorb range of load bearing thermal break insulation components. They allow for full transfer of loading from an external balcony into the main structure whilst providing a thermal break to reduce heat loss to the outside. The products have the capability to transfer tensile, shear and compressive forces through to the supporting structure through steel reinforcement and the Schöck bearing blocks.

This Registered Detail relates only to its thermal performance and the structural calculations and details should be sought as necessary to justify its structural performance. The types included are:

- Type K for concrete-to-concrete connections
- Type KS for concrete-to-steel connections
- Type KST for steel-to-steel connection

Type XT for concrete-to-concrete

Conditions of Certificate

This registered detail relates to the thermal performance of the product only.

To achieve required fire resistances the Isokorb thermal break will always need to be protected by fire protection materials.

Design parameters such as;

- minimum strength grade of concrete used in the balcony,
- the quantities and sizes of tensile and/or shear reinforcement to be provided,
- the maximum tensile rod spacings,
- the anchor length of steel reinforcement,
- the ultimate compressive force on individual pairs of concrete pressure-bearing blocks,

must be calculated by a suitably qualified and experienced individual in accordance with the relevant European Standards and in full compliance with manufacturers installation and test criteria.

LABC consider that, Schöck Isokorb, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

AD L Conservation of Fuel and Power

Note: The products can contribute to meeting this Requirement subject to limitations detailed below in Conditions section.



The Building Regulations 2010 (as amended) England

None presently



The Building Regulations 2010 (as amended) Wales

None presently



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the Schöck Isokorb has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

Schöck - Isokorb specifier's handbook

Schöck - Isokorb Technical Information (published February 2009)

BBA Agreement Certificate No 05/4277

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