

Fire protection

Info

Technical information on the thermal insulation can be found under:
www.schoeck.com/download-building-physics/uk

Fire protection configuration | Fire-resistance classes

Schöck Isokorb® XT with fire protection

The Schöck Isokorb® XT comes as standard with fire protection configuration (REI 120).

Example:

- XT Typ K-M4-V1-REI120-CV35-X120-H200-6.0

Fire protection requirements which are placed on the structural component also apply for the product that is to be used. Prerequisite for the fire protection classification of the balcony connection is that the balcony slab and the floor also fulfil the requirements on the necessary fire resistance class according to BS EN 1992-1-1 and BS EN 1992-1-2 (EC 2). If, in the case of fire, in addition to the load-bearing capacity (R), integrity (E) and insulation (I) are also required, recesses between the Schöck Isokorb® XT are to be closed, for example using the Schöck Isokorb® XT type Z with fire protection.

The Schöck Isokorb® XT has been tested in room closure configuration on the basis of floors as per BS EN 1365-2. According to BS EN 13501-2, only the requirement R (load-bearing capacity in the case of fire) is required. The basis for this test is BS EN 1365-5. The fire protection of the Schöck Isokorb® is additionally further tested on the basis of floors according to BS EN 1365-2. From this results the classification REI (R = load-bearing capacity, E = integrity, I = insulation under fire exposure).

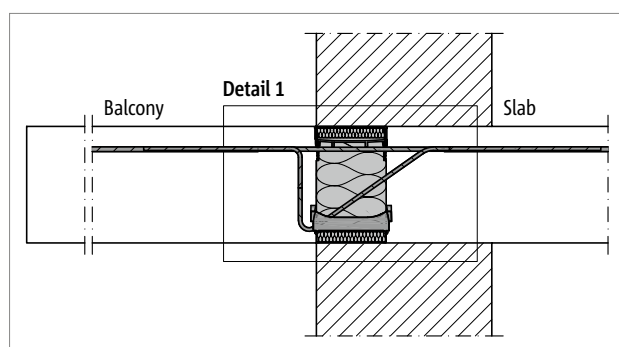


Fig. 1: Schöck Isokorb® XT type K...-REI120: Fire protection board top and bottom; lateral integrated fire protection bands

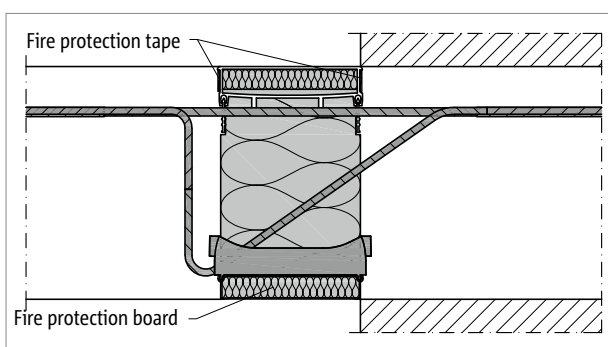


Fig. 2: Schöck Isokorb® XT type K...-REI120: Detail 1

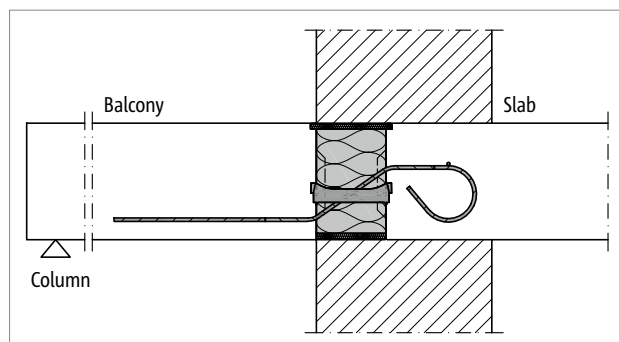


Fig. 3: Schöck Isokorb® XT type Q...-REI120: Fire protection board top, projecting laterally

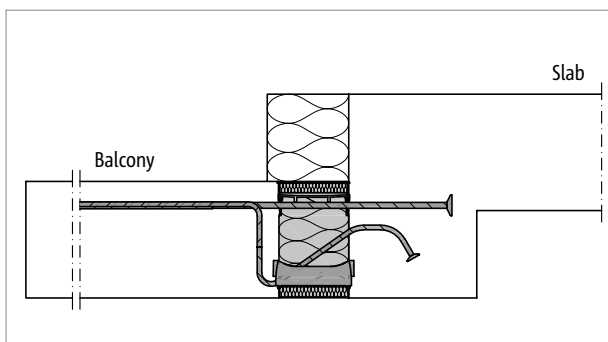


Fig. 4: Schöck Isokorb® XT type K-U...-REI120: Fire protection board top and bottom; lateral integrated fire protection bands

Fire resistance classes REI 120, R 90, EI 120

The reaction to fire of structural components is classified on the basis of the European Standard BS EN 13501-2.

The various types of the Schöck Isokorb® XT in the variants with fire protection achieve the following fire resistance classes:

Schöck Isokorb® XT type	K, C, Q, H, D, A, F, O	B, W	Z
Fire resistance class	REI 120	R 90	EI 120