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Press release.

**Earthquake-resistant planning of balconies**

**New demands in DIN EN 1998-1: Prepare earthquake certification easily and reliably with Schöck Isokorb services**

**What changes does the new earthquake standard mean compared with the old risk assessment? What new demands does it place on planning? What does it mean for the calculations? With Isokorb XT type H, Schöck supplies the right thermal insulation element for the earthquake-resistant design of balconies. The building product manufacturer also provides practical support with free tools and services, such as updated design software and a design manual.**

The new National Annex of the earthquake standard DIN EN 1998‑1/NA:2021-07 marks a paradigm shift from intensity-based to magnitude-based assessment of earthquake risks. By contrast with the old version, the new assessment is based not only on mean values. Thanks to today's far more detailed and reliable insights, the uncertainties can now be incorporated also into the models and input data.

**Earthquake-resistant planning of balconies with Isokorb**

Whereas earthquake zones have been used until now, the new earthquake hazard map identifies accurate local ground accelerations. On this basis, rules for earthquake-resistant design can be formulated in the general design certificate Z-15.7-338 for the Schöck Isokorb. Overall, this has significant repercussions on the requirements for earthquake-resistant design and the corresponding design and construction of buildings and civil engineering structures. Added to this is the expansion beyond the earthquake zones to date, which increases the importance of the topic even outside southern and south-western Germany, especially for engineering offices operating nationwide.

**Software, manual, web seminars: Schöck provides comprehensive support**

When it comes to the earthquake-resistant design of balconies, structural engineers are always on the safe side with Schöck Isokorb. Schöck not only supplies the right Isokorb for all requirements that complies with the rules. The company also provides support with other tools and services, such as updated design software.

The Schöck Isokorb concrete-concrete design software has been expanded to include the new requirement categories I (RCI) and II (RCII). This means that structural engineers can now plan balconies and access galleries safely and conveniently with the earthquake load case and corresponding earthquake certification in the design report.

Link to the latest design software: <https://www.schoeck.com/en-gb/download/Structural_design_and_calculation_software_Schoeck_Isokorb_concrete_concrete[9504].exe>

The design manual “Isokorb – Erdbebennachweis für Balkone” (Earthquake certification for balconies) is a practical aid in the design process.

Link to the free download: <https://www.schoeck.com/view/11585>

In a web seminar for structural engineers shortly after publication of the new earthquake standard DIN EN 1998-1, Schöck provided expert knowledge acquired through first hand experience. One of the speakers was Dr.-Ing. Andreas Fäcke who works at SMP Ingenieure im Bauwesen GmbH and was involved in the drafting of the new DIN standard. He explained the differences in the modified procedures and presentation of results compared to the previous standard and outlined the new requirements for planning.

Dipl.-Ing. Jernej Standeker who works with Schöck presented a practical example and carried out a calculation for a specific case in line with the new standard using the design software.

Request the free link to the recording here (in German): <https://www.schoeck.com/de/aufzeichnung-web-seminar-erdbeben>

*3,525 characters incl. spaces*

[www.schoeck.com](http://www.schoeck.com)

**Images**

**[Schoeck\_Balkone-erdbebensicher-planen\_1]**

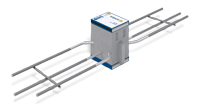
Ein Bild, das Text enthält.

Automatisch generierte Beschreibung

*Schöck supports structural engineers in the earthquake-resistant design of balconies in accordance with the new requirements of DIN EN 1998-1 with a design manual and design software (in German).*

*Photo: Schöck Bauteile GmbH*

**[Schoeck\_Balkone-erdbebensicher-planen\_2]**

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*Schöck Isokorb XT type H is designed to absorb seismic action.*

*Photo: Schöck Bauteile GmbH*

**About Schöck:**

Schöck Bauteile GmbH is a company of the international Schöck Group that has more than 1,100 employees and is active in over 40 markets. It has its headquarters in Baden-Baden at the feet of the Black Forest where the company's success story began in 1962. Company founder Eberhard Schöck used his knowledge and experience of building sites to develop products that simplify the construction process and solve the physical problems of construction work. This mission has remained the foundation of the company’s philosophy to this day, a philosophy that has allowed Schöck to become the leading provider of reliable and innovative solutions to reduce thermal bridges and impact sound, for thermally insulating façade connections and reinforcement technology. Schöck products facilitate a more rational approach to construction and safeguard the construction quality over the long term. The focus is on the building-physical benefits and energy efficiency. Schöck is driving the digitalisation of the work flow from planning to the building site to support the construction work of tomorrow.

**For any questions, please contact:**

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