PHILIPPGROUP

OUR PRODUCTS FROM THE PRODUCT GROUP

NOISE REDUCTION TECHNOLOGY

IF YOU DON'T WANT TO HEAR ANYTHING, START TO READ

Building physics requirements are also very important in precast construction. The focus here is on health protection for people, but also on increased demands for comfort. Noise reduction plays a significant role in reducing unacceptable disturbances. A wide range of high quality and harmonized system components is more than helpful here.

pakon ag
Lösungen für den Trittschall am Bau

TOGETHER WITH PAKON AG TO BECOME A FULL-SERVICE PROVIDER OF

BEARING SYSTEMS WITH NOISE REDUCTION

WITH THIS COOPERATION WE CLIMB UP

For more than 50 years, we have been supplying you with products for transport and mounting of concrete elements, including stairs and landings of all kinds. The challenge of offering high-quality mounting parts for such constructions has always been our motivation.

In order to provide you a wider product range, we have found a reliable partner in the company Pakon AG.

With this cooperation, we are becoming a full-service provider of bearing systems with noise reduction and are using this to offer high-quality, fully developed products that are already accepted on the market.

Synergy effects are used in your interest with this cooperation to provide technically attractive and competitively priced solutions to achieve a high level of sound insulation.

Pakon ISODORN HQW®

For the decoupling of (spiral) staircases and landings as well as loggias and access balconies, the ISODORN HQW® can be used universally and without further brackets in staircases of any design. The system is suitable for vertical shear forces and can be extended by additional components such as height adjustment, tie bar, increased mounting distances up to 120 mm and much more.

CHARACTERISTICS

- Approved system (ETA-19/0401, Z-15.7-321)
- Load transfer in two directions possible (vertical +/-)
- Tested in building acoustics acc. to DIN 7396
- Fire resistance period up to R120

TreDo

The TreDo dowel is a compact solution for acoustic decoupling of landings and flights of stairs. It is the combination of a simple shear dowel and versatile bearing options convincing with good sound insulation as well as a wide range of applications.

CHARACTERISTICS

- European approval (ETA-22/910)
- Bolt diameter ø27–40mm
- Load bearing capacities more than 100 kN possible
- Load bearing in three directions possible
- Approved with noice reduction according DIN 7396
- Fire resistant up to R120

Pakon PD Dowel

On the one hand the PD Dowel is used to secure the structural position of concrete elements and on the other hand as sound decoupling at the base of a staircase. The dowel can be used in prefabricated and in-situ concrete staircases and is available in a galvanized and stainless steel version. –

CHARACTERISTICS

- Dowel diameter 20 or 30 mm
- Dowel material: S235, galvanized or stainless steel, elastomer material: EPDM

Pakon stair angle Type PD-H

The Stair angle is used in order to secure the structural position of concrete elements that are to be sound-decoupled. The angles are installed at the base of the stairs to support them against horizontal actions.

CHARACTERISTICS

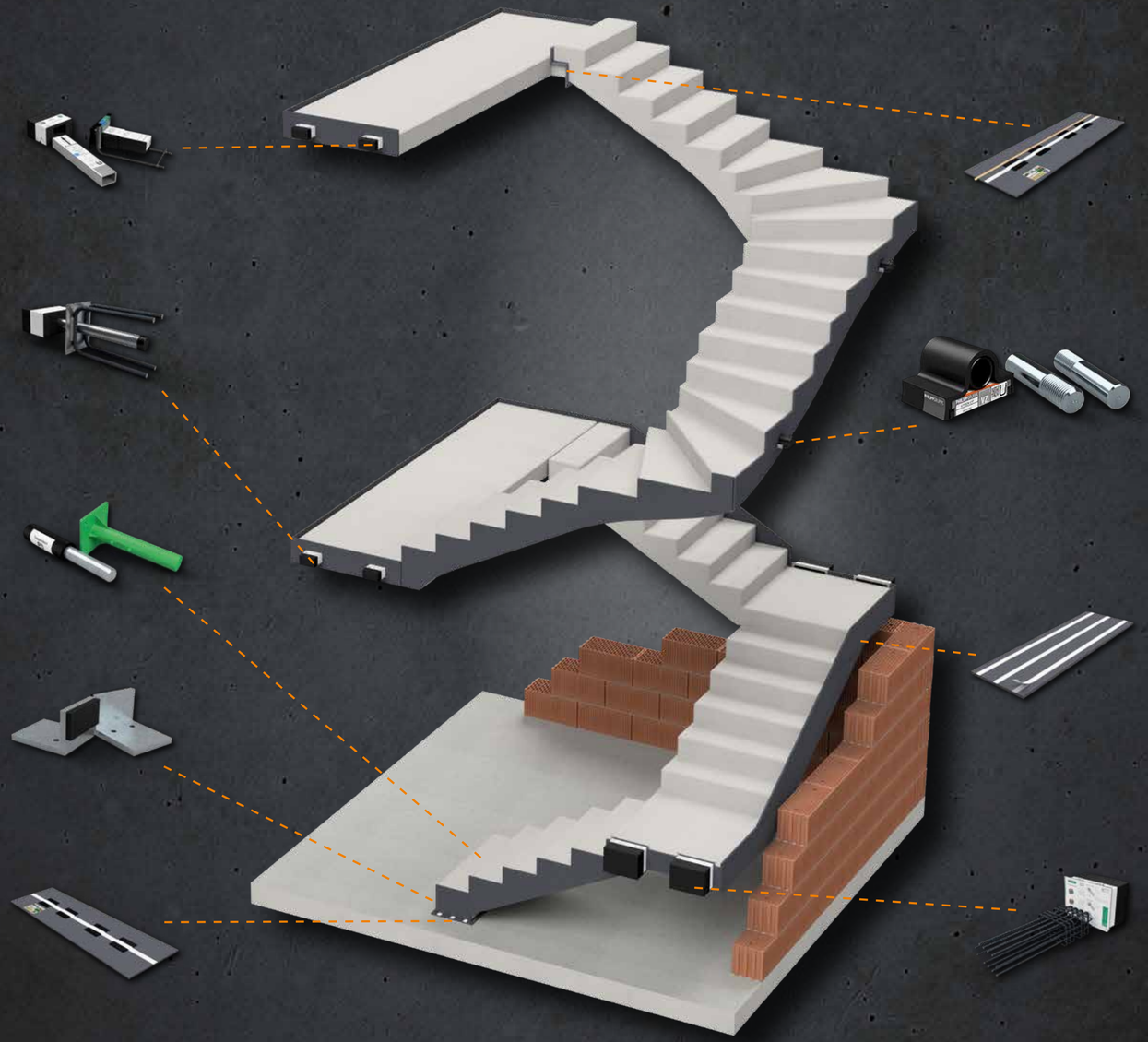
- Angle material: S235, S235, galvanized or stainless steel, elastomer material: EPDM
- Horizontal loads up to 10 kN per angle possible

Pakon sound board NB

The Sound board NB is used for the acoustic decoupling of a stair base or a landing from the floor slab. Here, the board can be easily adapted to different geometric shapes of the stair base by cutting on-site. The actual element to be decoupled can be made of in-situ concrete or as prefabricated element.

CHARACTERISTICS

- Tested in building acoustics acc. to DIN 7396
- Type-tested component of the complete impact sound insulation series
- Standard lengths from 1,000 mm to 1,800 mm, customized cut from 900 mm
- Load transfer in three directions possible



Pakon sound board NF

The Sound board NF is used for the acoustic decoupling of stair cases resp. landings with continuous brackets. All concrete elements can be made of in-situ concrete or as prefabricated parts. An adaptation of the Sound board NF to different geometric shapes of the concrete elements is possible by cutting on-site. The special type NF-VH can also be used to transfer horizontal loads from planned actions.

CHARACTERISTICS

- Tested in building acoustics acc. to DIN 7396
- Type-tested component of the complete impact sound insulation series
- Standard lengths from 1,200 mm to 1,800 mm, customized cut from 900 mm
- Load transfer in three directions possible

Bearing System with noise reduction

The Bearing system with noise reduction is versatile and also suitable for straight and curved precast staircases. In combination with diverse PHILIPP threaded anchors it is very variable and thus offers numerous possibilities for different stair inclinations.

CHARACTERISTICS

- General German approval
- Installation distances up to 80 mm
- Meets the recommendation for increased impact sound protection acc. to DIN 4109 (part 2)
- Fire resistance period up to R120

Pakon sound board NL

The Sound board NL is used to create the joint between stairs resp. landings and the staircase walls without acoustic bridges. All concrete elements can be made of in-situ concrete or as prefabricated parts. The boards made of PE foam are self-adhesive with no load-bearing function. An adaptation of the Sound board NL to different geometric shapes of the concrete elements is possible by cutting on-site.

CHARACTERISTICS

- Widths: 250, 360 and 420 mm
- Lengths: 1 m; rolls of 5 or 15 m
- Material: PE foam board acc. to EN 14313
- Fire resistance class B1 acc. to DIN 4102-1

Pakon ISOBOX TSB®

The ISOBOX TSB® is designed for a wide range of applications and is suitable for use in staircases and in particular for the support of in-situ and precast concrete landings in staircase walls of any type. Here, the system can be individually extended with elastomeric bearings to transfer loads in up to three directions. Only a reinforcement cage within a bracket and no further installation parts requires this type-tested box.

CHARACTERISTICS

- Type-tested system
- Load transfer in up to three directions (vertical +/–, horizontal)
- Tested in building acoustics acc. to DIN 7396
- Fire resistance period up to R120

PHILIPPGROUP

WELCOME TO THE PHILIPP GROUP

Headquarter Aschaffenburg

Our customers trust us to deliver.
We do everything in our power to reward their faith and we start each day intending to do better than the last.
We provide strength and stability in an ever-changing world. We provide it support.

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