



# SCHÖNOX® RR

**Rapid setting repair mortar for use from 1 to 50 mm**

suitable for direct bonding of coverings in interior areas. After adding of 5.5 l of water to 25.0 kg of powder, SCHÖNOX RR is ready to use.



## Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- RAL UZ 113: Environment-friendly, because very low-emission
- for interior use
- very sturdy
- fine-grained
- able to shape
- drying by hydration
- quick drying time, independent of the layer thickness
- high level of hardness and strength
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- layer-thickness 1 to 10 mm without aggregates
- layer-thickness 10 to 50 mm with aggregates
- low tension/stress
- free of cracks even in thicker layers
- suitable for castor wheels loading with layer-thickness more than 1,0 mm according to EN 12 529
- low porosity surface
- low in chromate according to REACH

## Applications

**SCHÖNOX RR is suitable for patching, filling, repairing and levelling:**

- of staircase steps and platforms
- wall breakouts
- as a repairing mortar for filling holes and deepenings

## Substrates

**SCHÖNOX RR is suitable for levelling, smoothing and repairing of:**

- concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- mastic asphalt screeds (sanded) AS IC 10 and AS IC 15 according to EN 13 813, layer-thickness 1,0 to 5,0 mm

- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- magnesia screeds
- wooden substrates

## Requirements of substrate

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures, such as sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Old, loose and weak levelling layers should be removed mechanically.
- With subsequent installation of floor coverings, cement screeds are required to display a residual moisture reading of  $\leq 2.0$  CM-% (heating screeds  $\leq 1.8$  CM-%), calcium sulphate screeds should have a reading of  $\leq 0.5$  CM-% (heating screeds  $\leq 0.3$  CM-%).
- Layers of water-soluble adhesives, e.g. sulphite-waste-adhesives, are to be mechanically removed. Remaining adhesive residues should be primed with SCHÖNOX EG.
- Old water-resistant adhesives are to be mechanically removed as far as possible.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

## Technical data

- Pot life: approx. 15 minutes at 20 °C
- Ready for foot traffic: after approx. 30 minutes
- Ready for covering: after approx. 4 hours, residual moisture under 3.0 CM-%
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,6 kg/m<sup>2</sup>/mm
- Reaction to fire: A1 / A1<sub>f1</sub>

All values are approximate and are subject to climatic fluctuations.



# SCHÖNOX® RR

## Priming

### ■ normal absorbent substrates such as:

- cement screeds
- rapid cement screeds
- concrete

prime with SCHÖNOX VD (1:3) or SCHÖNOX KH FIX.

### ■ calcium sulphate substrates such as:

- calcium sulphate screeds
- prime with SCHÖNOX KH FIX (drying time 60 minutes) or SCHÖNOX VD (1:1 / drying time at least 24 hours).

### ■ non-absorbent, smooth, sound substrates such as:

- mastic asphalt screeds, insufficient sanded
  - ceramic tiles (thoroughly cleaned and abraded)
  - water-resistant adhesive residues (removed as far as possible)
- prime with SCHÖNOX SHP or SCHÖNOX VD (neat).

### ■ Wooden substrates like e.g.:

- stable laid wooden planks
  - Chipboard or OSB
- protect against moisture with SCHÖNOX VD (neat)(drying time 2 hours).

### ■ xylolite screeds:

prime with SCHÖNOX HP RAPID.

### ■ magnesia screeds (not xylolite):

prime with SCHÖNOX SHP.

## Mixing ratio

- For 25,0 kg SCHÖNOX RR approx. 5,5 l water

### Extended levelling compound:

The additive is added last.

#### Layer thickness of 10 to 20 mm:

Bulking material approx. 65 wt.% corresponds to 16,0 kg or 10 l of SCHÖNOX QUARZSAND 0,1 - 3,0 mm for 25,0 kg SCHÖNOX RR

#### Layer thickness of 20 to 50 mm:

Bulking material approx. 100 wt.% corresponds to 25,0 kg clean screed sand (grain size 0 - 8 mm) for 25 kg SCHÖNOX RR

## Recommended method of working

- Using a clean receptacle, add SCHÖNOX RR to cold clean water to form a homo-

geneous mixture. Use of a mixer with 600 rpm is recommended.

- Spread, smooth and model the levelling compound with a smoothing trowel or spatula.
- Do not mix more material than can be handled within 15 minutes.
- If afterwards a full-surface levelling is planned or a second layer of repairing mortar has to be applied, the first levelling compound layer should be primed with SCHÖNOX VD (1:1) or SCHÖNOX VD FIX when dry. The maximum layer thickness may not be exceeded in case of two-layer application. The second layer may not exceed the layer thickness of the first.
- Protect curing SCHÖNOX RR levelling layers from high ambient temperatures, direct sunlight and draughts.
- Clean tools in water immediately after use.

## Packaging

- 25.0 kg paper sack

## Storage

- Store SCHÖNOX RR in cool, dry conditions.
- Storage life of 6 months.
- Opened packages should be closed immediately and used up as soon as possible.

## Disposal

- Empty packaging completely and dispose of in accordance with regulations
- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.
- Do not empty into drains, waters or soil.

## EMICODE

- EC 1<sup>PLUS</sup>: very low emission

## GISCODE

- ZP1 - cement products, low in chromate

## EPD - Self-declaration

Sika Deutschland GmbH declares that the product fulfills the criteria for modified mineral mortars of group 1.

## ENVIRONMENTAL PRODUCT DECLARATION

acc. to ISO 14025 and EN 15804

### Owner of declaration

FEICA - Association of the European Adhesive and Sealant Industry

### Editor

Institut für Bauen und Umwelt e.V. (IBU)

### Program owner

Institut für Bauen und Umwelt e.V. (IBU)

### Number of declaration

EPD-FEI-20160017-IBG1-EN

### Date of issue

23.05.2016

### Valid until

22.05.2021

## Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX RR contains cement. Alkaline reaction when it comes in contact with moisture, therefore protect skin, eyes and respiratory system. Do not breathe in dust. In case of contact rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- The BEB-leaflet "Beurteilen und Vorbereiten von Untergründen; Verlegen von elastischen und textilen Bodenbelägen, Schichtstoffelementen (Laminat), Parkett und Holzpflaster; Beheizte und unbeheizte Fußbodenkonstruktionen" should be followed.
- Keep out of the reach of children.
- Insure a good ventilation during application and drying.
- Avoid eating, drinking and smoking while working with the product.

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- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Wear suitable protective gloves.
- Wear suitable protective goggles.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Protect your hands with waterproof, robust gloves.
- Wear long trousers.
- Avoid longer skin contact.
- In case of contact with skin, rinse immediately with plenty of water.
- The longer fresh adhesive or laying materials remain on skin, the greater the risk of serious skin damage.
- Keep away children from fresh adhesive and laying material.

The applicable recommendations, guidelines, DIN regulations and safety data sheets are to be observed, together with the recognised architectural and engineering regulations. We guarantee that our products leave the factory in perfect condition. While our recommendations for use are based on tests and practical experience, they can only provide general guidance without any assurance as to product characteristics, since we have no influence over the conditions on site, the execution of the work or the method of processing. This product data sheet supersedes all previous editions.



The Sika management system is certified to ISO 9001 and 14001 by SQS

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