



# SCHÖNOX RF

Highly dust reduced, fine grained, rapid setting cement sturdy levelling compound for application in layer from 1 to 20 mm

For levelling, smoothing and slope formation on cementitious substrates in interior areas.



## Product characteristics

- dust reduced
- EMICODE EC 1<sup>PLUS</sup>: very low emission
- Meets the requirements of the Marine Equipment Directive (MED) 2014/90/EU
- for interior use
- sturdy
- fine-grained
- drying by hydration
- quick drying time, independent of the layer thickness
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- ready for covering after approx. 2 hours for many types of coverings
- layer-thickness 1 to 20 mm without aggregates
- layer-thickness 20 to 50 mm with aggregates
- low tension/stress
- low porosity surface
- low in chromate according to REACH

## Applications

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

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

## Substrates

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

- concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- old substrates such as ceramic tiles, natural stones and terrazzo

## 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 ceramic coverings, cement screeds are required to display a residual moisture reading of  $\leq 95\%$  RH (heating screeds  $\leq 75\%$  RH), calcium sulphate screeds should have a reading of  $\leq 75\%$  RH (heating screeds  $\leq 65\%$  RH).
- 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.

## Priming

■ **normal absorbent substrates such as:**

- cement screeds
- rapid cement screeds
- concrete

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

■ **calcium sulphate substrates such as:**

- calcium sulphate screeds
- for layer-thickness up to 10 mm, prime with SCHÖNOX KH (1:1) (drying time at least 24 hours) or SCHÖNOX KH-FIX (drying time at least 1 hour).

## Technical data

- Pot life: approx. 15 minutes at 20 °C
- Ready for foot traffic: after approx. 60 minutes
- Ready for covering: after approx. 2 hours
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,4 kg/m<sup>2</sup>/mm
- Reaction to fire: no performance determined

All values are approximate and are subject to climatic fluctuations.

# SCHÖNOX RF

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

- ceramic tiles (thoroughly cleaned and abraded)
- prime with SCHÖNOX SHP.

## Mixing ratio

- For 15 kg SCHÖNOX RF approx. 3,6-3,75 l water

## Extended levelling compound:

The additive is added last.

### Layer thickness of 20 to 50 mm:

Bulking material approx. 50 wt.% corresponds to 7,5 kg or 4,5 l clean screed sand (grain size 0 - 8 mm) for 15 kg SCHÖNOX RF.

## Recommended method of working

- Using a clean receptacle, add SCHÖNOX RF to cold clean water to form a homogeneous 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 KH (1:1) or SCHÖNOX KH-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 RF levelling layers from high ambient temperatures, direct sunlight and draughts.
- Clean tools in water immediately after use.

## Packaging

- 15.0 kg paper sack

## Storage

- Store SCHÖNOX RF 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.

## EMICODE

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

## Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX RF 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 applicable recommendations, guidelines 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

**Sika Deutschland GmbH**

**Subsidiary Rosendahl**

**P.O. Box 11 40**

**D-48713 Rosendahl / Germany**

**Phone +49 (0) 2547-910-0**

**Fax +49 (0) 2547-910-101**

**E-mail: [info@schoenox.de](mailto:info@schoenox.de)**

**[www.schoenox.com](http://www.schoenox.com)**