



SCHÖNOX® RR

Rapid setting repair mortar for use from 1 to 50 mm

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

Product characteristics

- EC 1R: very low emission
- protein free, complies with HTML
- for interior use
- heavy duty
- fine-grained
- able to shape
- drying by hydration
- fast drying, independent of the layer thicknesses
- high hardness and strength
- suitable for underfloor heating systems without additives
- synthetic resin-modified
- layer-thickness of 1 to 10 mm without aggregates
- layer-thickness of 10 to 50 mm with aggregates
- low stress
- extendable without loss of strength for higher layer-thickness
- suitable for castor wheel loading more than 1.0 mm layer-thickness
- low-pore surface
- low in chromate according to TRGS 613

Applications

SCHÖNOX RR is suitable for patching, filling, smoothing and levelling of:

- concrete
- cement screeds and rapid cement screed systems
- gypsum screeds
- new mastic asphalt screeds IC 10 and IC 15 according to DIN 18 354 and DIN 18 560, layer-thickness 1.0 to 5.0 mm.
- old substrates such as ceramic tiles
- old, water-resistant adhesive residues
- magnesia screeds
- wooden substrates

SCHÖNOX RR is also suitable for repairing of stair steps, for filling wall breakouts and for closing up large joints and holes.

Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with SCHÖNOX levelling compounds as required.
- Subfloor should have an effective damp proof membrane.
- With subsequent laying of floor coverings, where moisture readings are above 75%RH, as tested with a properly

calibrated hygrometer or > 2.0 CM% then application of SCHÖNOX EG may be used to suppress residual moisture (see data sheet) Gypsum screeds should have a reading of < 0.5 CM%

- Old water-soluble adhesives, e.g. sulphite based adhesives, should be removed completely. Prime remaining adhesive residues with SCHÖNOX EG.
- Old water-resistant adhesives should be mechanically removed as far as possible.
- Old floors such as ceramic tiles should be thoroughly cleaned and abraded.
- The requirements of the relevant valid standards, BS CP102, BS 5325, BS 8203, guidelines and data sheets apply.

Priming

● absorbent substrates such as:

- cement screeds
 - rapid cement screeds
 - concrete
- prime with SCHÖNOX VD (1:3).

● non-absorbent, smooth, sound substrates such as:

- cast asphalt screeds insufficient sanded
 - ceramic tiles
 - old water-resistant adhesive residues, removed as far as possible
- prime with SCHÖNOX VD (neat) or SCHÖNOX SHP.

● gypsum substrates such as:

- gypsum screeds or calcium sulphate flow screeds (sanded and vacuumed)
- prime with SCHÖNOX VD (1:1), drying time can be omitted.

● wood substrates such as

- firmly laid timber floor boards
 - chipboard (V100) according to DIN 68 771 (screwed and/or bonded over whole surface)
- protect against moisture with SCHÖNOX VD (neat), drying time approx. 24 hours.

● magnesia screeds (not xylolite)

prime with SCHÖNOX SHP.

● xylolite screeds

prime with SCHÖNOX EG.

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 |
| ● working temperature | not below +5 °C floor temperature |

SCHÖNOX® RR

- material consumption/ coverage approx. 1.6 kg/m²mm
5.2 m² at 3 mm
- compression strength 25 N/mm² after 28 days
- EN 13 813 CT-C25-F7

All values are approximate, are subject to local climatic fluctuations. Timings given are based upon 20 °C and 65 % rel. humidity, floor temperature 15 °C.

Mixing ratio

- for 25.0 kg SCHÖNOX RR approx. 5.5 l water
- Extended levelling compound:
for 25.0 kg SCHÖNOX RR approx. 6.0 l water. The additive is added last.
Layer-thickness 10 - 20 mm:
Bulking material approx. 65 wt.% corresponds to 16.0 kg clean silica sand of 0 - 3 mm grain size or clean 3 mm granite chippings.
Layer-thickness 20 - 50 mm:
Bulking material approx. 100 wt.% corresponds to 25.0 kg clean screed sand (0 - 8 mm grain size) or clean 3 mm granite chippings.

Recommended method of working

- Using a clean vessel, add SCHÖNOX RR to cold, clean water to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended. Next, apply, smooth and shape the levelling compound using a stainless steel smoother or a smoothing trowel.
- Do not mix more material than can be worked on within 15 minutes.
- 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 6 month.

Disposal

- Empty bags of all trickles and dispose of in accordance with the regulations.

EMICODE

- EC 1 R: very low emission, regulated

GISCODE

- ZP1 – cement products, low in chromates

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX RR contains cement. Produces strong alkali on reaction with water. Protect skin and eyes. 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 additives. If in doubt, we recommend that further information is obtained from the manufacturer.



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The SCHÖNOX management system is certified to ISO 9001 and 14001 by DQS.

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.