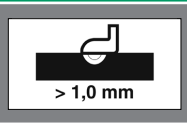
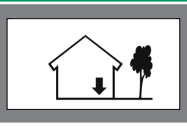
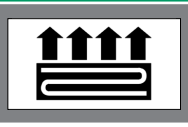
SCHÖNOX® RM

Superfine, sturdy, all-purpose repairing mortar
quick drying, extendable to feather finish, very easy to handle, shapeable mortar with Liquid Effect - mortar becomes smooth while applying and evening-up. Filled in a handy 20 kg bag with handle.







Product characteristics

- RAL UZ 113: Environment-friendly, because very low-emission
- EMICODE EC 1^{PLUS}: very low emission
- with "liquid effect"
- easy to mix, no direct thickening after mixing
- no bonding to the trowel
- for interior use
- very sturdy
- superfine
- able to shape
- drying by hydration
- quick drying time, independent of the layer thickness
- easy to grind
- high level of hardness and strength
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- low consumption / high coverage
- layer-thickness 0 to 20 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
- very smooth, low-pore surface
- low in chromate according to REACH

Applications

SCHÖNOX RM is suitable for patching, filling, repairing and levelling:

- of staircase steps and platforms
- wall breakouts
- as a levelling compound to level out differences in height to neighboring areas
- as a repairing mortar for filling holes and deepenings

Substrates

SCHÖNOX RM is suitable to be used on interior substrates like e.g.:

- 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 ≤ 2.0 CM-% (heating screeds ≤ 1.8 CM-%), calcium sulphate screeds should have a reading of ≤ 0.5 CM-% (heating screeds ≤ 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 HP RAPID.
- 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.

Technical data

- Pot life: approx. 15 minutes at 20 °C
- Ready for foot traffic: after approx. 30 minutes
- Ready to level over: after approx. 30 minutes
- Ready for covering: after approx. 4 hours
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,4 kg/m^2/mm
- Reaction to fire: A1 / A1$_{fl}$
- Strength class: CT-C35-F7

All values are approximate and are subject to climatic fluctuations.

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- OSB is to be grinded intensively.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.

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 (throughly 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 20,0 kg SCHÖNOX RM approx. 5,25 - 5,75 l water

Extended levelling compound:

The additive is added last.

Layer thickness of 10 to 30 mm:

Bulking material approx. 65 wt.% corresponds to 12,5 kg or 8 l of SCHÖNOX QUARZSAND 0,1 - 3,0 mm for 20,0 kg SCHÖNOX RM.

Layer thickness of 30 to 50 mm:

Bulking material approx. 100 wt.% corresponds to 20,0 kg clean screed sand (grain size 0 - 8 mm) for 20,0 kg SCHÖNOX RM.

Recommended method of working

- Using a clean receptacle, add SCHÖNOX RM to cold clean water to form a homogeneous mixture. Use of a mixer with a spiral mixer 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.
- After becoming touch dry resp. brightening of the surface e.g. a self levelling compound can not be applied before achieving readiness for laying. Priming with SCHÖNOX VD FIX or SCHÖNOX VD (1 : 1) is necessary.
- Protect curing SCHÖNOX RM leveling layers from high ambient temperatures, direct sunlight and draughts.
- Clean tools in water immediately after use.

Packaging

- 20,0 kg paper bag with handle

Storage

- Store SCHÖNOX RM 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^{PLUS}: very low emission

GISCODE

- ZP1 - cement products, low in chromate

EPD - Self-declaration

- Sika Deutschland CH AG & Co KG declares that the product fullfills the criteria of one Environmental Product Declaration acc. to ISO 14025 and EN 15804
- Declaration available for download at www.schoenox.com at SCHÖNOX RM

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX RM 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 requirements of the relevant valid standards, guidelines and data sheets apply.
- Composition:
  - Calcium sulphate
  - Cement (Chromate reduced)
  - Redispersed copolymer powder
  - Mineral fillers
  - Additives
- Keep out of the reach of children.
- Ensure a good ventilation during application and drying.
- Avoid eating, drinking and smoking while working with the product.
- Protect your hands with waterproof, robust gloves.
- Avoid longer skin contact.
- In case of contact with skin, rinse immediately with plenty of water.
- Wear suitable protective goggles.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear long trousers.
- The longer fresh adhesive or laying materials remain on skin, the greater the risk of serious skin damage.

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- 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 SGS

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