



# SCHÖNOX® AM

**Very low emission, calcium sulphate based smoothing and levelling compound**

especially suitable for all calcium sulphate based subfloors as well as mastic asphalt screeds according to EN 13 813. Also for interior use on cementitious subfloors. After adding 6.0 l water for 25.0 kg powder, SCHÖNOX AM is ready for use.



## Product characteristics

- EMI CODE EC 1<sup>PLUS</sup>: very low emission
- RAL UZ 113: Environment-friendly, because very low-emission
- for interior use
- self-levelling
- high level of hardness and strength
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- layer-thickness 1,0 to 20 mm without aggregates
- layer-thickness 10 to 30 mm with aggregates
- short waiting time after priming
- pumpable
- 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

## Applications

**SCHÖNOX AM is suitable for filling, smoothing, evening and levelling of substrates:**

- under textile and elastic coverings as well as parquet
- in interior areas.

for full-surface levelling under parquet, layer thickness at least 2 mm. Only in combination with elastic SCHÖNOX parquet adhesives. Drying time must be observed.

## Substrates

**SCHÖNOX AM is suitable for filling, smoothing, evening and levelling of:**

- 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
- concrete

- dry screeds
- cement and rapid cement screeds
- magnesia screeds
- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- suitable particle board or OSB constructions, screwed

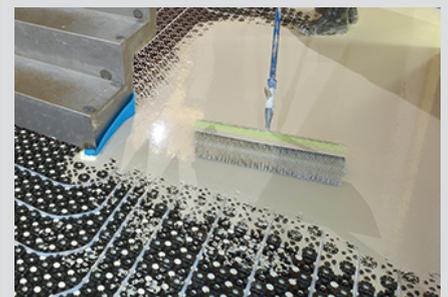
## Requirements of substrate

- 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.
- Surface treatments or any "friable" areas of the subfloor must be mechanically removed and the subfloor repaired with SCHÖNOX leveling compounds as required.
- 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 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.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- Suitable for levelling partial surfaces of bituminous substrates, such as asphalt and others; this is also suitable

## Technical data

- Pot life: approx. 30 minutes at 18 °C
- Ready for foot traffic: after approx. 2 hours
- Ready for covering:
  - up to 3 mm after approx. 24 hours, residual-moisture  $\leq 0,5$  CM-%
  - for higher layer thickness the residual moisture should be tested with CM-apparatus (testing analogue to gypsum screeds).
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,5 kg/m<sup>2</sup>/mm
- Reaction to fire: A1 / A1<sub>f1</sub>

All values are approximate and are subject to climatic fluctuations.



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for producing thicker levelling layers in places.

- 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 VD (1:3) or SCHÖNOX KH FIX.

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

- mastic asphalt screeds
- ceramic tiles (thoroughly cleaned and abraded)
- water-resistant adhesive residues (removed as far as possible)

prime with SCHÖNOX SHP or SCHÖNOX VD (neat).

### ■ calcium sulphate substrates such as:

- calcium sulphate screeds
- dry screeds

prime with SCHÖNOX VD (1:1) or SCHÖNOX KH FIX (Further treatment direct after applying).

For layer-thickness exceeding 10 mm we recommend priming with SCHÖNOX HP RAPID.

### ■ magnesia screeds (not xylolite):

prime with SCHÖNOX SHP.

### ■ xylolite screeds:

prime with SCHÖNOX HP RAPID.

### ■ Wooden substrates like e.g.:

- Chipboard or OSB

protect against moisture with SCHÖNOX VD (neat)(drying time 2 hours).

## Mixing ratio

- For 25,0 kg SCHÖNOX AM approx. 6,0 l water

### Extended levelling compound:

The additive is added last.

#### Layer thickness of 10 to 30 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 AM

## Recommended method of working

### ■ Adequate ventilation is essential when SCHÖNOX AM is being worked and during the drying time.

- Using a clean receptacle, add SCHÖNOX AM to cold clean water to form a homogeneous mixture. Use of a mixer with disc stirring rod is recommended. After a short maturing time, mix again thoroughly. Then pour out the levelling compound and spread using a smoothing trowel. Even surfaces are easily achieved with the SCHÖNOX SCHWEDENRAKEL. With the use of the SCHÖNOX SCHWEDENRAKEL it is possible to achieve an even surface without difficulties. It is usually not necessary to remove trowelling defects or to level more than once.

- In the case of higher layer-thickness, contact with vertical structures should be avoided by putting in a perimeter isolating strip.

- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with SCHÖNOX VD (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.

- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using the sturdy repair mortar SCHÖNOX RR.

- Protect curing SCHÖNOX AM leveling layers from high ambient temperatures, direct sunlight and draughts.

- If grinding of SCHÖNOX AM is necessary use a paper or net with grit-size  $\geq 80$ .

- Contact to metal like water-bearing pipes must be avoided (e.g. sealing of pipe penetrations), because especially galvanised steel pipes have no sufficient corrosion protection.

- Clean tools in water immediately after use.

## Packaging

- 25.0 kg paper sack

## Storage

- Store SCHÖNOX AM in cool, dry conditions.
- Storage life of 1 year.
- 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

- CP1 - levelling compounds based on calcium sulphate

## EPD - Self-declaration

- Sika Deutschland GmbH declares that the product fulfills the criteria of one Environmental Product Declaration acc. to ISO 14025 and EN 15804
- Declaration available for download at [www.schoenox.com](http://www.schoenox.com) at SCHÖNOX AM

## Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- The BEB-data sheet "Hinweise zur Planung, Verlegung und Beurteilung sowie Oberflächenvorbereitung von Calciumsulfatestrichen" should be followed.
- The BEB-leaflet "Beurteilen und Vorbereiten von Untergründen; Verlegen von elastischen und textilen Bodenbelägen, Schichtstoffelementen (Laminat), Parkett und Holzpfaster;

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Beheizte und unbeheizte Fußbodenkonstruktionen" should be followed.

■ Composition:

- Calcium sulphate
- Cement (Chromate reduced)
- Redispersed copolymer powder
- Mineral fillers
- Additives

Informations for allergic persons call +49 2547 910-0.

- 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.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Wear suitable protective gloves.

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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