



# SCHÖNOX® HS 10

## Rapid setting, self leveling hybrid floor leveling compound with Hybrid Active Dry Technology

Combines the advantages of a low tension calciumsulphate based leveling compound with the fast drying of cementitious systems. Because of the innovative Hybrid Active Dry Technology it is ready for covering already after 6 hours. Furthermore SCHÖNOX HS 10 offers outstanding working properties.



### Product characteristics

- EMICODE EC 1<sup>PLUS</sup> R: very low emission, regulated
- RAL UZ 113: Environment-friendly, because very low-emission
- quickly ready for covering through high water binding capacity
- fast development of strength
- dust reduced
- 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 10 mm
- pumpable
- low tension/stress
- suitable for castor wheels loading with layer-thickness more than 1,0 mm according to EN 12 529
- low porosity surface

### Applications

**SCHÖNOX HS 10 is suitable for filling, smoothing, evening and levelling of substrates:**

- under textile and elastic coverings as well as parquet (For full-surface levelling under parquet, layer thickness at least 2 mm.)
- for full-surface levelling under sealings and coatings in interior areas.

### Substrates

**SCHÖNOX HS 10 is suitable for filling, smoothing, evening and levelling of:**

- calcium sulphate based screeds
- mastic asphalt screeds (completely sanded) IC 10 and IC 15 according to EN 13 813
- dry screeds
- magnesia screeds
- xylolite screeds

- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- OSB boards (class 3 - 4)
- particle boards (P4 - P7)
- cement and rapid cement screeds
- concrete

### 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 levelling 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.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

### Technical data

- Pot life: approx. 30 minutes at 18 °C
- Ready for foot traffic: after approx. 2 hours
- Ready for covering:<sup>1</sup>
  - up to 5 mm after approx. 6 hours for textile, vinyl coverings, LVT'S and linoleum
  - up to 10 mm after approx. 12 hours for textile, vinyl coverings, LVT'S and linoleum
  - up to 10 mm after approx. 24 hours for all kinds of coverings
- 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>fl</sub><sup>1</sup> with 18 °C and 65 % rel. humidity, temperature of substrate  $\geq 15$  °C

Especially if fast laying on SCHÖNOX HS 10 is desired, take fully respect to the recommended climate conditions. Low temperatures and high relative humidity decelerate an early readiness for covering.

All values are approximate and are subject to climatic fluctuations.

# SCHÖNOX® HS 10

## Priming

### ■ normal absorbent substrates such as:

- cement screeds
- rapid cement screeds
- concrete

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

### ■ 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 HS 10 approx. 5,5 l water

## Recommended method of working

- The ideal working temperature is 15 °C floor temperature, 18 °C air temperature, ≤ 65 % relative humidity.
- Using a clean receptacle, add SCHÖNOX HS 10 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 ne-

cessary 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 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.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using the sturdy repair mortar SCHÖNOX RM or SCHÖNOX RR.
- Protect curing SCHÖNOX HS 10 levelling layers from high ambient temperatures, direct sunlight and draughts.
- If grinding of SCHÖNOX HS 10 is necessary use a paper or net with grit-size ≥ 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 HS 10 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> R: very low emission, regulated

## GISCODE

- CP3 - levelling compounds based on calcium sulphate, calcium oxide content > 3%

## 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.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- The TKB-data sheet "Technische Beschreibung und Verarbeitung von Bodenspachtelmassen" should be followed.
- Composition:
  - Calcium sulphate
  - Mineral fillers
  - Cement (Chromate reduced)
  - Redispersed copolymer powder
  - Additives
- Keep out of the reach of children.

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- Avoid eating, drinking and smoking while working with the product.
- Insure a good ventilation during application and drying.
- Wear suitable protective gloves.
- 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.
- 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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