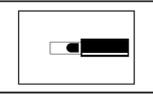




# SCHÖNOX® HS 10 F

## Rapid setting fiber reinforced 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. Embedded fibres provide reinforcement, making it unnecessary to use a reinforcing mat. Especially suitable for wood floor boards, chipboards, OSB-boards, mastic asphalt screeds and other critical substrates. Because of the innovative Hybrid Active Dry Technology it is ready for covering already after 6 hours.



www.blauer-engel.de/uz113  
• emissionsarm  
• lösemittelfrei

### Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- RAL UZ 113: Environment-friendly, because very low-emission
- quickly ready for covering through high water binding capacity
- fast development of strength
- with synthetic fibres
- ready for foot traffic after approx. 2 hours
- layer-thickness 3 to 20 mm
- high level of hardness and strength
- high flexural strength
- suitable for application on subfloor heating systems
- ideal in combination with Sika coatings
- self-levelling
- pumpable
- low tension/stress
- highly synthetic-resin modified
- easy to handle
- suitable for castor wheels in accordance with EN 12 529
- low porosity surface
- crackbridging
- for interior use

### Applications

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

- under textile and elastic coverings as well as parquet
- in combination with lamina panel heatings (warmwater or electrical), e.g. Uponor or Magnum in interior areas.
- for full-surface levelling under sealings and coatings (Note the system design in combination with Sika coatings)

### Substrates

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

- wood planks
- OSB boards (class 3 - 4)

- particle boards (P4 - P7)
- fixed parquet
- dry screeds
- calcium sulphate based screeds
- mastic asphalt screeds (sanded) AS IC 10 and AS IC 15 according to EN 13 813, layer-thickness 3 to 10 mm
- magnesia screeds
- xylolite screeds
- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- concrete
- cement and rapid cement screeds

### 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.

### 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 20 mm after approx. 12 hours for textile, vinyl coverings, LVT'S and linoleum
  - up to 20 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: A2<sub>fl</sub>-s1<sup>1</sup> with 18 °C and 65 % rel. humidity, temperature of substrate  $\geq 15$  °C

Especially if fast laying on SCHÖNOX HS 10 F 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 F

- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- Timber floors must be stable, sound and requires a normal moisture content of wood. Let some space (joint approx. 10 mm) to the walls while levelling to ensure ventilation of the construction.
- Loose boards and planks must be firmly screwed down. Change damaged wooden planks.
- 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, insufficient sanded
  - 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 SCHÖNOX VD FIX or SCHÖNOX SCHÖNOX VD (1:1).
- **magnesia screeds (not xylolite):**
  - prime with SCHÖNOX SHP.
- **xylolite screeds:**
  - prime with SCHÖNOX HP RAPID.
- **Wooden substrates like e.g.:**
  - stable laid wooden planks
  - Chipboard or OSB
  - parquet
- protect against moisture with SCHÖNOX VD (neat)(drying time 2 hours).
- For layer-thickness exceeding 10 mm on substrates sensitive to moisture (e.g. calcium sulphate screeds, wooden substrates etc.) we recommend prim-

ing with a reaction resin based primer e.g. SCHÖNOX HP RAPID.

## Mixing ratio

- For 25,0 kg SCHÖNOX HS 10 F 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 F to cold clean water to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended. After letting it stand for approx. 3 minutes, mix again thoroughly. Then pour out the levelling compound and spread using a smoothing trowel.
- Due to the high fibre content, full containers should be mixed to guarantee even distribution of the fibres.
- In the case of higher layer-thickness, contact with vertical structures should be avoided by putting in an 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.
- Possible joints in the subfloor, e.g. in wooden planks, should be closed previously with a sturdy material like SCHÖNOX SG or SCHÖNOX RM.
- 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 F levelling layers from high ambient temperatures, direct sunlight and draughts.
- If grinding of SCHÖNOX HS 10 F 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 F in cool, dry conditions.
- Storage life of 1 year (in closed packaging).
- Opened packages should be closed immediately and used up as soon as possible.

## Disposal

- Empty packaging of all trickles and dispose of in accordance with the 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

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

## EPD - Self-declaration

Sika Deutschland GmbH declares that the product fullfills 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

# SCHÖNOX® HS 10 F

EPD-FEI-20160017-IBG1-EN

**Date of issue**

23.05.2016

**Valid until**

22.05.2021

**Instructions**

- All information applies to standard conditions.
- 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.
- Insure a good ventilation during application and drying.
- Avoid eating, drinking and smoking while working with the product.
- Wear suitable protective goggles.
- Avoid longer skin contact.
- In case of contact with eyes or 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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