

### Highly dust reduced, fine levelling concrete mortar

for internal and external application and is suitable for filling, levelling and smoothing for wall and ceiling surfaces. SCHÖNOX BM 10 generates because of modern raw materials and innovative production technology appr. 90 % less dust while mixing. For layer thickness from 1-10 mm without bulking material. Extendable for layer thickness up to 20 mm.

### Product characteristics

- EMICODE EC 1<sup>PLUS</sup> R: very low emission, regulated
- appr. 90 % less dust while mixing
- frost resistant
- waterproof
- hydraulic setting
- very smooth application
- very smooth mortar structure
- synthetic resin-modified
- high laminated stability
- safe application and multi-purpose use
- extendable above 10 mm
- low in chromate according to REACH

### Applications

**SCHÖNOX BM 10 is suitable for levelling:**

- in swimming pools
- on facades
- of concrete

### Substrates

**SCHÖNOX BM 10 is suitable for levelling, smoothing and repairing of:**

- fair-faced concrete
- precast concrete units
- water-proof concrete
- aerated concrete
- cement plaster, lime-cement plaster (CS II, CS III of CS IV according to EN 998-1, compression strength  $\geq 2,5$  N/mm<sup>2</sup>)
- masonry

### 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.

- In high loaded areas as swimming pools, wet areas in commercial premises and for exterior use, a bonding slurry should be applied.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

### Priming

#### ■ normal absorbent substrates such as:

- cement plaster
  - lime-cement plaster
  - concrete
- prime with SCHÖNOX KH (1:3) or SCHÖNOX KH FIX .

#### ■ wall substrates such as:

- smooth, sound concrete (formed)
- Sprayed-on daub (MG P III) or a bonding layer with SCHÖNOX PFK RAPID applied with a 4 mm notched trowel. The bonding layer respectively the sprayed-on daub must be completely hardened before subsequent treatment. Before applying the sprayed-on daub, highly absorbent substrates can be damp wetted.

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

- ceramic tiles
- prime with SCHÖNOX SHP.

#### ■ Breakouts, holes, repair of plastering

- Make of a bonding slurry (see mixing ratio bonding slurry). Before applying the sprayed-on daub, highly absorbent substrates can be damp wetted. Pay attention that the mortar is applied wet in wet into the bonding slurry. For thick layers work in first a thin layer into the bonding slurry.

### Mixing ratio

- For 25,0 kg SCHÖNOX BM 10 approx. 7,0 l water

#### Extended levelling compound:

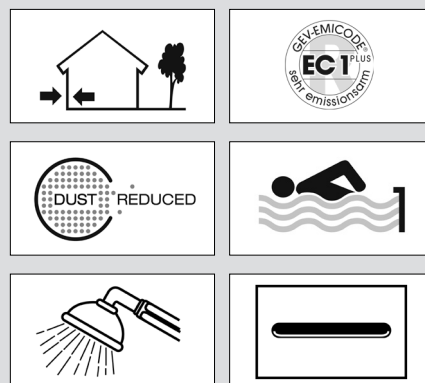
**Layer thickness of 10 to 20 mm:**

- For 25,0 kg SCHÖNOX BM 10 approx. 8,0 l water

### Technical data

- Pot life: approx. 20 minutes at +20 °C
- Further processing: after ca. 2 hours
- Ready for covering: after approx. 24 hours
- Application temperature: not below +5 °C
- Material consumption: approx. 1,2 kg/m<sup>2</sup>/mm
- Reaction to fire: A2-s2, d0

All values are approximate and are subject to climatic fluctuations.



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 BM 10

The additive is added last.

### Bonding slurry:

25,0 kg SCHÖNOX BM 10, approx. 7,0 l water and 2,0 kg SCHÖNOX KH.

### Recommended method of working

- Using a clean receptacle, add SCHÖNOX BM 10 to cold clean water to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended.
- Layer thickness up to 10 mm can be applied without adding aggregates.
- When coating fair-faced surfaces, maximum layer thickness is 5 mm.
- If necessary perform rough levelling using SCHÖNOX BM 30 oder SCHÖNOX BM 30 FLEX.
- In interior and exterior areas SCHÖNOX BM 10 pigmented with alkali-resistant pigments, preferably anorganic oxide pigments as liquid or as powder. The amount of pigment is limited to 5 % per weight.
- If SCHÖNOX BM 10 is used only interior, may be also the use of organic pigments is possible. The applicability should be approved by the producer.
- Protect curing SCHÖNOX BM 10 levelling layers from high ambient temperatures, direct sunlight and draughts.
- SCHÖNOX BM 10 may only extended with aforementioned materials.
- Immediately after use clean tools with water.

### Packaging

- 25.0 kg paper sack

### Storage

- Store SCHÖNOX BM 10 in cool, dry conditions.
- Storage life of 6 months (in closed packaging).
- 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.

### EMICODE

- EC 1<sup>PLUS</sup> R: very low emission, regulated

### GISCODE

- ZP1 - cement products, low in chromate

### EPD - Self-declaration

SCHÖNOX GmbH declares as a statutory member of Deutsche Bauchemie and Industrieverband Klebstoffe 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

Deutsche Bauchemie e.V.  
Industrieverband Klebstoffe e.V.  
Verband der deutschen Lack- und Druckfarbenindustrie e.V.

### Editor

Institut für Bauen und Umwelt e.V. (IBU)

### Program owner

Institut für Bauen und Umwelt e.V. (IBU)

### Number of declaration

EPD-DIV20130096-IBE1-DE

### Date of issue

30.07.2013

### Valid until

29.07.2018

### Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX BM 10 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 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 SQA

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