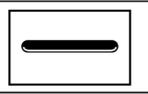




# SCHÖNOX® BM 30 FLEX

## Highly dust reduced special flexible levelling mortar

for leveling, smoothing of wall and ceilings. Perfect as substrate for ceramic tiled finishes as well as natural stones. Ideal for preparation of substrates for carrying of fine plasters or further leveling layers as well as wall coverings. For interior areas.



## Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- appr. 90 % less dust while mixing
- sturdy
- very smooth application
- highly synthetic-resin modified
- flexible
- low tension/stress
- ready for laying after approx. 2-3 hours
- contains lightweighted fillers
- very low consumption / very high coverage
- rapid setting and hardening
- universal suitability
- layer-thickness 1 to 30 mm without aggregates
- low in chromate according to REACH

## Applications

**SCHÖNOX BM 30 FLEX is suitable for filling, smoothing and full-surface leveling:**

- under ceramic coverings and natural stones
- as a repairing mortar for filling holes and deepenings
- coarse substrates
- plaster projections
- large holes or slots
- unevenly sanded, rubbed or polished surfaces

Is also suitable for bonding mortar coated rigid-foam boards XPS or EPS of mentioned substrates. Please follow the recommendations of preparation of substrate and priming.

In wet areas is SCHÖNOX BM 30 FLEX be protected by a SCHÖNOX waterproofing membrane and tiles.

## Substrates

**SCHÖNOX BM 30 FLEX is suitable for levelling, smoothing and repairing of:**

- masonry

- concrete (at least 3 months old)
- cement plaster, lime-cement plaster (CS II, CS III of CS IV according to EN 998-1, compression strength  $\geq 2,5 \text{ N/mm}^2$ )
- aerated concrete
- old ceramic coverings
- gypsum plaster according to EN 13279-1, compression strength  $\geq 2,5 \text{ N/mm}^2$ ; residual moisture  $\leq 1,0 \text{ CM-\%}$ )

## 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, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventually abraded.
- Old brickwork and plaster should be solid and air-dried.
- 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.

## Priming

- **normal absorbent substrates such as:**

- concrete
- aerated concrete
- prime with SCHÖNOX KH (1:3) or SCHÖNOX KH FIX .

- **non-absorbent, smooth, sound substrates:**

- ceramic coverings, stable, thoroughly cleaned and if necessary abraded
- smooth, sound concrete (formed) prime with SCHÖNOX SHP.

## Technical data

- Pot life: approx. 40 minutes at +20 °C
- Ready for covering:
  - after approx. 2-3 hours for ceramic coverings
  - after approx. 24 hours for natural and artificial stone
  - after approx. 24 hours for coatings, resin coatings and dispersion paints
- Application temperature: not below +5 °C
- Material consumption: approx. 1,1 kg/m<sup>2</sup>/mm
- Reaction to fire: A1/ A1<sub>fl</sub>

All values are approximate and are subject to climatic fluctuations.



# SCHÖNOX® BM 30 FLEX

- **calcium sulphate substrates such as:**
  - gypsum plaster
  - prime with SCHÖNOX KH (1:1) (drying time at least 24 hours) or SCHÖNOX KH FIX (drying time at least 1 hour).

## Mixing ratio

Levelling compound:

- For 20,0 kg SCHÖNOX BM 30 FLEX approx. 5,8 - 6,8 l water

## Recommended method of working

- Using a clean receptacle, add SCHÖNOX BM 30 FLEX to cold clean water to form a homogeneous mixture. Use of a mixer with 600 rpm is recommended.
- Do not mix more material than can be handled within 40 minutes.
- Apply and smooth the levelling compound using a stainless steel smoothing trowel.
- SCHÖNOX BM 30 FLEX can be applied as well in thicker layers in one step.
- For filling deepenings adjust a stronger consistency as for full-surface levelling.
- Apply SCHÖNOX BM 30 FLEX in one layer, particularly for wall applications. If SCHÖNOX BM 30 FLEX is multi-layered applied, layer thickness and strengths are not allowed to increase. The maximum layer thickness may not be exceeded in case of multi-layer application.
- After start of hardening, retouching work such as smoothing is possible.
- By decelerated smoothing or two times application a formation of pores/pinholing on e.g. concrete can be minimised.
- For levelling works on concrete the levelling is done in accordance with the laid covering directly before the laying of the covering starts.
- In case of spot levelling, attention must be paid to the alkalinity of the substrate for subsequent coatings or wall coverings.
- For applying wallpaper, dispersion paints or organic-bound plaster, follow the manufacturer's instructions.

- Protect curing SCHÖNOX BM 30 FLEX levelling layers from high ambient temperatures, direct sunlight and draughts.
- High temperatures accelerate, low temperatures slow down the setting.
- Clean tools in water immediately after use.

## Packaging

- 20,0 kg paper sack

## Storage

- Store SCHÖNOX BM 30 FLEX 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>: very low emission

## GISCODE

- ZP1 - cement products, low in chromate

## EPD - Self-declaration

Sika Deutschland GmbH declares that the product fullfills the criteria for modified mineral mortars of group 2.

## 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-20160042-IBG1-EN

## Instructions

- All values are approximate and are subject to local climatic fluctuations.
- SCHÖNOX BM 30 FLEX 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.
- SCHÖNOX BM 30 FLEX is not suitable for permanently wet areas (e.g. swimming pools).
- SCHÖNOX BM 30 FLEX is not suitable in exterior areas.

# SCHÖNOX® BM 30 FLEX

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

**Sika Deutschland GmbH**

**Subsidiary Rosendahl**

**P.O. Box 11 40**

**D-48713 Rosendahl / Germany**

**Phone +49 (0) 2547-910-0**

**Fax +49 (0) 2547-910-101**

**E-mail: [info@schoenox.de](mailto:info@schoenox.de)**

**[www.schoenox.com](http://www.schoenox.com)**