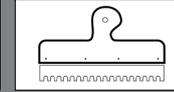


SCHÖNOX® HX 5

Very low emission, calcium sulphate based smoothing and levelling compound

Thanks to the Hybrid Technology, SCHÖNOX HX 5 impresses with its excellent processing properties and early readiness for covering. Particularly suitable on all calcium sulphate based substrates and mastic asphalt screeds according to DIN 18560 without a long waiting time.



Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- for interior use
- grindable
- self-levelling
- extractable as a thin layer
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- layer-thickness 1 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

Applications

SCHÖNOX HX 5 is suitable for levelling and smoothing of substrates:

- under textile and elastic coverings
- under multi layer parquet
(For full-surface levelling under parquet, layer thickness at least 3 mm. Only in combination with elastic SCHÖNOX parquet adhesives.)
- in interior areas.

Substrates

SCHÖNOX HX 5 is suitable for leveling and smoothing of:

- concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- mastic asphalt screeds (completely sanded) AS IC 10 and AS IC 15 according to EN 13813
- dry screeds
- old substrates with old water-resistant adhesive residues
- old substrates such as ceramic tiles and terrazzo

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.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures, such as sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- 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 ≤ 2.0 CM-% (heating screeds ≤ 1.8 CM-%), calcium sulphate screeds should have a reading of ≤ 0.5 CM-% (heating screeds ≤ 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.
- 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:

- cement screeds
 - rapid cement screeds
 - concrete
- prime with SCHÖNOX VD (1:3) or SCHÖNOX KH FIX.

■ calcium sulphate substrates such as:

- calcium sulphate screeds
- dry screeds

Technical data

- Pot life: approx. 30 minutes at 20 °C
- Ready for foot traffic: after approx. 2,5 hours
- Ready for covering:
 - up to 5 mm after approx. 16 hours for textile, vinyl coverings, LVT'S and linoleum
 - up to 5 mm after approx. 24 hours for all kinds of coverings
 - up to 10 mm after approx. 48 hours for textile, vinyl coverings, LVT'S and linoleum
 - up to 10 mm after approx. 72 hours for all kinds of coverings
- Application temperature: not below 10 °C floor temperature
- Material consumption: approx. 1,6 kg/m²/mm
- Strength class: CA-C30-F7
- Reaction to fire: A1 / A1_{fl}

All values are approximate and are subject to climatic fluctuations.



SCHÖNOX® HX 5

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

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

- ceramic tiles (thoroughly cleaned and abraded)

- mastic asphalt screeds, insufficient sanded

prime with SCHÖNOX SHP or SCHÖNOX VD (unverdünn).

■ **old water-resistant adhesive residues, almost completely removed**

prime with SCHÖNOX VD (neat).

Mixing ratio

- For 25,0 kg SCHÖNOX HX 5 approx. 5,0 l water

Recommended method of working

- Using a clean receptacle, add SCHÖNOX HX 5 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 an perimeter isolating strip.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using the sturdy repair mortar SCHÖNOX SCHÖNOX RM or SCHÖNOX SCHÖNOX HS 40 S.
- Protect curing SCHÖNOX HX 5 levelling layers from high ambient temperatures, direct sunlight and draughts.
- Full-surface levelling is needed under elastic coverings at least 2mm.
- 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 HX 5 in cool, dry conditions.
- Storage life of 1 year (in closed packaging).

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^{PLUS}: very low emission

GISCODE

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

EPD - Self-declaration

- Sika Deutschland CH AG & Co KG 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 at SCHÖNOX HX 5

Instructions

- All information applies to standard conditions.
- SCHÖNOX HX 5 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® HX 5

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 SGS

Sika Deutschland CH AG & Co KG

Subsidiary Rosendahl

D-48713 Rosendahl / Germany

Phone +49 (0) 2547-910-0

Fax +49 (0) 2547-910-101

E-mail: info@schoenox.de

www.schoenox.com