

Universal Filler, spot and surface filler for ceilings, walls, facades and floors

SCHÖNOX FS is a weather-resistant white special filling compound on a high synthetic resin-modified white cement based. Especially suitable for filling façade surfaces, damp rooms and similar high loaded surfaces. Suitable as a fine-grained levelling compound on absorbent and non absorbent substrates.

Product characteristics

- EMICODE EC 1^{PLUS} R: very low emission, regulated
- for interior and exterior use
- very sturdy
- highly fillable
- impact-resistant to ball pitch according to DIN 18032-3
- good bonding to nearly all substrates
- very smooth application
- permeable to diffusion
- layer-thickness up to 10 mm without aggregates
- safe application and multi-purpose use
- fine-grained
- highly flexible
- drying by hydration
- low in chromate according to REACH
- useable on all clean, fat and oil free substrates
- filler with fine grain-size, to level to 0 (depending on load)
- suitable for castor wheels loading with layer-thickness more than 0,5 mm according to EN 12 529
- suitable for application on subfloor heating systems
- plasticizer-resistant
- no priming required

Applications

SCHÖNOX FS is suitable for filling, smoothing and full-surface leveling of:

- coarse substrates
- of facade surfaces (e.g. intact rough-cast and patterned plaster)
- ceiling and wall surfaces
- unevenly sanded, smooth fine plaster surfaces
- plaster projections
- surfaces with bubbles

As a floor levelling compound for interior areas for:

- levelling of SCHÖNOX TS - sound insulation mat

- levelling of cross joints of chipboards, OSB-boards and dry screed elements as well as timber floor boards
- smoothing of trowelling defects
- levelling of coverings such as needle felt, ceramic tiles, stoneware, PVC, CV, natural and synthetic rubber, textile loop-pile carpets and velours (fine loop-pile and short velours - build a test area before)
- smoothing of old water resistant adhesive residues
- closing of expansion joints in the RENO-ESTRICHSYSTEM
- embedding of electrical floor heating systems on reinforcement fabrics
- bonding of SCHÖNOX EDP - uncoupling boards
- embedding of reinforcement fabrics for crack bridging

Substrates

SCHÖNOX FS is suitable for filling, smoothing, evening and levelling without a primer of:

- concrete
- cement plaster, lime-cement plaster (CS I - CS IV according to EN 998-1)
- masonry
- stable old coatings
- old ceramic coverings

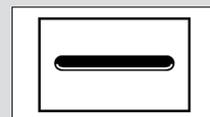
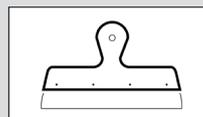
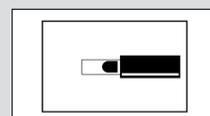
Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- for interior areas floors should be and stay permanently dry
- Clean, free from exudation marks, sinter layers, separating agents, parts stimulating corrosion or other disturbing layers.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures.
- Non-stable, old coatings, e.g. distemper, should be removed.

Technical data

- Basis: white cement with special synthetic hardening
- Pot life: approx. 45 minutes at 18 °C
- Color: white
- Drying time: depends on layer thickness, thinner layers can be worked on the next day
- Application temperature and substrate temperature: not below + 7 °C
- Material consumption: approx. 1,0 kg/m²/mm

All values are approximate and are subject to climatic fluctuations.



- 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.
- In order to receive the substrate requirements of the specific coverings, refer to the technical product information of the coverings manufacturer.

Priming

- do not prime absorbent and non absorbent facades
 - only pre wet highly absorbent substrates
 - Interior walls and floors are not required to be primed.
 - priming not required
- If in doubt, create a test area or request specific information.

Mixing ratio

- For 20,0 kg SCHÖNOX FS
approx. 9,0 l water
- For 4,0 kg SCHÖNOX FS
approx. 1,8 l water

Extended levelling compound:

The additive is added last.
Bulking material approx. 50 wt.%
SCHÖNOX QUARZSAND 0 - 3 mm
Bulking material approx. 30 wt.%
SCHÖNOX QUARZSAND 0,2 - 0,8 mm

Recommended method of working

- Using a clean receptacle, add SCHÖNOX FS to cold clean water to form a homogeneous mixture.
- Do not mix more material than can be handled within 45 minutes.
- Apply and smooth the levelling compound using a stainless steel smoothing trowel.
- 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 filling deepenings adjust a stronger consistency as for full-surface levelling.
- In case of spot levelling, attention must be paid to the alkalinity of the substrate for subsequent coatings or wall coverings.
- Do not fluate or apply mineral colours to surfaces filled with SCHÖNOX FS.

Guidelines for a ball pitch impact-resistant construction

- Apply SCHÖNOX FS to the prepared substrate.
- Embed SCHÖNOX ARMIERUNGSGEWEBE into the fresh levelling compound with a stainless steel trowel. Ensure a bubblefree embedding
- Afterwards smooth the surface using SCHÖNOX FS.
- Layer thickness at least 3.0 mm.
- Prior to applying paints, synthetic resin plasters, wallpaper and wall coverings, consult the manufacturer's processing recommendations.
- In combination with SCHÖNOX ARMIERUNGSGEWEBE a resilient surface preparation of the substrate is possible.
- If high point loads are expected on the laid SCHÖNOX TS - sound insulation mat, SCHÖNOX ARMIERUNGSGEWEBE should be embedded in a two layer application of SCHÖNOX FS.

- On profiled vinyl coverings one application is normally sufficient.
- With subsequent laying of textile, linoleum, vinyl and rubber coverings we recommend SCHÖNOX EMICLASSIC and SCHÖNOX MULTIFIX adhesives to be used.
- SCHÖNOX FS is only slightly absorbent. Coverings and adhesives which need an absorbent substrate are not suitable to use on SCHÖNOX FS
- Immediately after use clean tools with water.

Packaging

- 20,0 kg paper sack
- 4.0 kg paper sack (4 pieces per unit)

Storage

- Store SCHÖNOX FS in cool, dry conditions.
- Storage life of 1 year (in closed packaging).
- Opened bags 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^{PLUS} 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 3.

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

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Number of declaration

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30.07.2013

Valid until

29.07.2018

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX FS 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.
- PU-sealings on old coverings or PU-coated surfaces of coverings, which are not removable with basic cleaners, can lead to bonding problems with SCHÖNOX FS.

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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