

Synthetic gypsum fibre-reinforced, self-levelling compound for use from 3 - 15 mm

especially suitable for wood floor boards, chip board (V100), mastic asphalt screeds and other critical substrates in combination with elastic and textile coverings for interior areas. Embedded fibres provide reinforcement, making it unnecessary to lay a reinforcing mat. After adding of 5.5l of water to 25.0 kg of powder, SCHÖNOX APF is ready to use.

Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- with synthetic fibres
- ready for foot traffic after approx. 3 hours
- low consumption / high coverage
- layer-thickness 3 to 15 mm
- high strength values
- high flexural strength
- suitable for application on subfloor heating systems
- 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 APF is suitable for filling, smoothing, evening and levelling of substrates:

- under textile and elastic coverings
- under parquet (Only with elastic SCHÖNOX-parquet adhesives. Drying times must be observed.) in interior areas.

Substrates

SCHÖNOX APF is suitable for filling, smoothing, evening and levelling of:

- wood planks
- fixed parquet
- suitable particle board or OSB constructions, screwed
- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- concrete
- cement and rapid cement screeds

- new mastic asphalt screeds IC 10 and IC 15 according to EN 13 813, layer-thickness 3,0 to 8,0 mm. For layer-thicknesses > 8,0 mm, please obtain object-related advice.
- calcium sulphate based screeds
- dry screeds
- magnesia screeds
- xylolite screeds

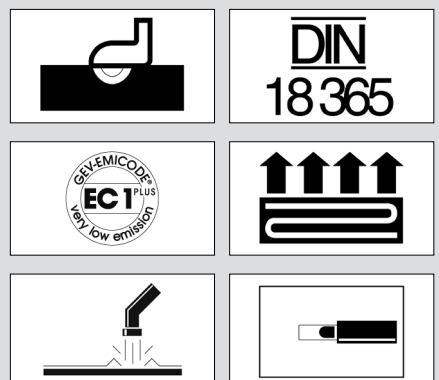
Requirements of substrate

- 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 ≤ 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 EG.
- Old water-resistant adhesives are to be mechanically removed as thoroughly as possible.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- Suitable for levelling partial surfaces of bituminous substrates, such as asphalt and others; this is also suitable

Technical data

- Pot life: approx. 30 minutes at 18 °C
- Ready for foot traffic: after approx. 3 hours
- Ready for covering:
 - up to 3 mm after approx. 24 hours (by laying parquet after approx. 48 hours)
 - for layer thickness up to 15 mm the residual moisture should be tested with CM-apparatus (parquet $\leq 0,5$ CM-%, textile and elastic coverings $\leq 1,0$ CM-%)
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,5 kg/m²/mm
- Reaction to fire: A1 / A1_{f1}

All values are approximate and are subject to climatic fluctuations.



for producing thicker levelling layers in places.

- 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.
- Carry out preparatory work - such as filling joints between firmly laid wooden planks, evening out hollows and unevenness - using a sturdy repair mortar.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

Priming

- **normal absorbent substrates such as:**
 - cement screeds
 - rapid cement screeds
 - concreteprime with SCHÖNOX VD (1:3) or SCHÖNOX VD FIX.
- **non-absorbent, smooth, sound substrates such as:**
 - mastic asphalt screeds, insufficient sanded
 - ceramic tiles
 - old water-resistant adhesive residues, almost completely removedprime with SCHÖNOX SHP or SCHÖNOX VD (neat).
- **calcium sulphate substrates such as:**
 - calcium sulphate screeds
 - dry screedsprime with SCHÖNOX VD (1:1) or SCHÖNOX VD FIX (Further treatment direct after applying).
For layer-thickness exceeding 10 mm we recommend priming with SCHÖNOX HP RAPID.
- **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).

Mixing ratio

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

Recommended method of working

- **Adequate ventilation is essential when SCHÖNOX APF is being worked and during the drying time.**
- Using a clean receptacle, add SCHÖNOX APF 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.
- 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 VD 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.
- **Extended levelling compound: Layer thickness of 10 to 50 mm:**
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 APF
The additive is added last.
- 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.
- Protect curing SCHÖNOX APF levelling layers from high ambient temperatures, direct sunlight and draughts.
- If grinding of SCHÖNOX APF 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.

- Immediately after use clean tools with water.

Packaging

- 25.0 kg paper sack

Storage

- Store SCHÖNOX APF in cool, dry conditions.
- Storage life of 1 year.

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.

EMICODE

- EC 1^{PLUS}: very low emission

GISCODE

- CP1 - levelling compounds based on calcium sulphate

EPD - Self-declaration

SCHÖNOX GmbH declares as a statutory member of Deutsche Bauchemie and Industrieverband Klebstoffe that the product fulfills 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.
- SCHÖNOX APF does not contain Portland cement.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- The BEB-data sheet "Hinweise zur Planung, Verlegung und Beurteilung sowie Oberflächenvorbereitung von Calciumsulfatestrichen" should be followed.
- The BEB-leaflet "Beurteilen und Vorbereiten von Untergründen; Verlegen von elastischen und textilen Bodenbelägen, Schichtstoffelementen (Laminat), Parkett und Holzpflaster; Beheizte und unbeheizte Fußbodenkonstruktionen" should be followed.

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 SCHÖNOX management system is certified to ISO 9001 and 14001 by DQS

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