SCHÖNOX® XP 15

Cement based self-levelling compound

for all substrates suitable for laying, also for improvement areas interior. SCHONOX XP 15 is noted for its very low shrinkage. Suitable for castor wheels in accordance with EN 12 529.

www.blauer-engel.de/uz113
- emissionsarm
- lösemittelarm

Product characteristics

- EMICODE EC 1^{PLUS}: very low emission
- RAL UZ 113: Environment-friendly, because very low-emission
- for interior use
- self-levelling
- high level of hardness and strength
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- layer-thickness 1 to 15 mm without aggregates
- layer-thickness 15 to 30 mm with aggregates
- drying by hydration
- pumpable
- low tension/stress
- extendable without loss of strength for higher layerthickness
- low porosity surface
- ready for covering after approx. 3 hours for ceramic tiles on concrete floors and cement screed for interior areas
- low in chromate according to REACH

Applications

SCHÖNOX XP 15 is suitable for filling, smoothing, evening and levelling of substrates:

- under ceramic coverings and natural stones
- in wet rooms SCHÖNOX XP 15 needs to be protected by a SCHÖNOX water membrane and a tile covering.
- in interior areas.

Substrates

SCHÖNOX XP 15 is suitable for filling, smoothing, evening and levelling of:

- concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- mastic asphalt screeds (sanded) AS IC 10 and AS IC 15 according to EN 13 813, layer-thickness 1,5 to 3,0 mm
- Old mastic asphalt screeds AS IC 10 and AS IC 15 (if necessary, obtain advice on the hardness class test in an asphalt laboratory) according to EN 13 813, often contain cracks or are embrittled, depending on their composition, age, strength and use. This renovation substrate does not display sufficient load-bearing strength for taking even a low-stress, cementitious levelling compounds. For this purpose, we recommend using stress-free, gypsum SCHÖNOX-levelling compound. If in doubt, please obtain supplementary information.
- magnesia screeds with mineral aggregates
- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- For use on wooden substrates ask for special advice.

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 leveling compounds as required.
- Old, loose and weak levelling layers should be removed mechanically.
- With subsequent installation of ceramic coverings cement screeds are required to be at least 28 days old and to display a residual moisture reading of ≤ 2.0 CM-% (heating screeds ≤ 2.0 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

Technical data

- Pot life: approx. 30 minutes at +20 °C
- Ready for foot traffic: after approx. 3 hours
- Ready for covering:
  - up to 30 mm after approx. 3 hours for ceramic coverings and cementious SCHÖNOX tile adhesives on concrete and cementious screeds interior
- On other substrates longer drying times are required:
  - up to 15 mm after approx. 1 day
  - up to 20 mm after approx. 3 days
  - up to 30 mm after approx. 5 days
- Application temperature: not below +5 °C floor temperature
- Material consumption: approx. 1,5 kg/m²/mm
- Reaction to fire: A1 / $A1_{fl}$
- Strength class: CT-C30-F7

All values are approximate and are subject to climatic fluctuations.

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SCHÖNOX® XP 15

be mechanically removed. Remaining adhesive residues should be primed with SCHÖNOX GEA oder SCHÖNOX HP RAPID.
- Old water-resistant adhesives are to be mechanically removed as far as possible.
- Old, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventualy abraded.
- 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

  prime with SCHÖNOX KH (1:5) or SCHÖNOX KH FIX .
  - concrete

  prime with SCHÖNOX KH (1:3) or SCHÖNOX KH FIX .
- **non-absorbent, smooth, sound substrates such as:**
  - water-resistant adhesive residues (removed as far as possible)
  - ceramic tiles (throughly cleaned and abraded)
  - mastic asphalt screeds

  prime with SCHÖNOX SHP.
- **calcium sulphate substrates such as:**
  - calcium sulphate screeds

  prime with SCHÖNOX KH (1:1) (drying time at least 24 hours) or SCHÖNOX KH FIX (drying time at least 1 hour).

  We recommend a sanded sub-coat of SCHÖNOX GEA or SCHÖNOX HP RAPID for layer-thickness exceeding 10 mm.

  Instead of sanding, SCHÖNOX GEA or SCHÖNOX HP RAPID can be primed with SCHÖNOX SHP.
- **magnesia screeds:**

  prime with SCHÖNOX GEA or SCHÖNOX HP RAPID and sand.

  Instead of sanding, SCHÖNOX GEA or SCHÖNOX HP RAPID can be primed with SCHÖNOX SHP.

Mixing ratio

- For 25,0 kg SCHÖNOX XP 15 approx. 6,5 l water

Extended levelling compound:

The additive is added last.

Max. 6,5 l water for 25,0 kg SCHÖNOX XP 15. The additive is added last.

Layer thickness of 15 to 30 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 XP 15

Recommended method of working

- Using a clean receptacle, add SCHÖNOX XP 15 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.
- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with SCHÖNOX KH (1:1) or SCHÖNOX KH FIX. 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.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using the sturdy repair mortar SCHÖNOX PL or SCHÖNOX PL PLUS.
- Protect curing SCHÖNOX XP 15 levelling layers from high ambient temperatures, direct sunlight and draughts.
- 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.
- The using of SCHÖNOX XP 15 in combination with SCHÖNOX PZG is described in detail in the product data sheet of SCHÖNOX PZG.

Packaging

- 25.0 kg paper sack

Storage

- Store SCHÖNOX XP 15 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.
- Do not empty into drains, waters or soil.

EMICODE

- EC 1^{PLUS}: very low emission

GISCODE

- ZP1 - cement products, low in chromate

EPD - Self-declaration

- Sika Deutschland CH AG & Co KG declares that the product fullfills the criteria of one Environmental Product Declaration acc. to ISO 14025 and EN 15804
- Declaration available for download at www.schoenox.com at SCHÖNOX XP 15

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- SCHÖNOX XP 15 contains cement. Alkaline reaction when it comes in con-

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tact 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 TKB-data sheet "Technische Beschreibung und Verarbeitung von Bodenspachtelmassen" should be followed.
- Composition:
  - Cement (Chromate reduced)
  - Calcium sulphate
  - Redispersed copolymer powder
  - Calcium carbonate
  - Additives
- Wear suitable protective gloves.
- Insure a good ventilation during application and drying.
- Avoid eating, drinking and smoking while working with the product.
- In case of contact with eyes or skin, rinse immediately with plenty of water.
- Keep out of the reach of children.
- Wear suitable protective goggles.
- Wear long trousers.
- Avoid longer skin contact.
- In case of contact with skin, rinse immediately with plenty of water.
- The longer fresh adhesive or laying materials remain on skin, the greater the risk of serious skin damage.
- Keep away children from fresh adhesive and laying material.

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

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