



# SCHÖNOX® SEZ PLUS

## Pre-blended rapid-setting screed

suitable for the preparation of cementitious rapid setting screeds according to EN 13 813. Hardness class: CT-C40-F6. Ready for covering after 1-3 days. For internal use.



## Product characteristics

- EMICODE EC 1<sup>PLUS</sup>: very low emission
- for interior use
- without addition of sand
- pumpable
- easy to apply, no bonding to the tool
- rapid setting and hardening
- high crystalline water binding capacity
- short time to be ready for covering
- low tension/stress
- suitable in combination with underfloor heating systems
- high strength values
- low in chromate according to REACH

## Applications

SCHÖNOX SEZ PLUS is suitable for preparation of:

- bonded screeds and floating screeds on insulation material or separating layer according to DIN 18 353 and DIN 18 560
- heated screeds
- screeds with subsequent cold-curing resin coating
- screed completions, ready for covering in short time
- repairing of rapid-setting screeds
- repairing of holes and slots in interior areas.

## Requirements of substrate

### General:

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Subfloors with expected raising damp should be protected in compliance with the standard.

### Bonded screeds:

- 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.

- Prime the substrate using SCHÖNOX KH (1:5) or SCHÖNOX VD (1:5).
- Then apply SCHÖNOX DSP as a bonding slurry.
- Alternatively, for small-scale repairs apply a bonding slurry coated with SCHÖNOX KH or SCHÖNOX VD (25 kg SCHÖNOX SEZ PLUS + 2.0 kg SCHÖNOX KH/SCHÖNOX VD + 12,0 l water).
- Apply the screed into the still wet bonding slurry.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

## Mixing ratio

- For 25 kg SCHÖNOX SEZ PLUS approx. 1,8 l water

## Recommended method of working

- Add SCHÖNOX SEZ PLUS to cold, clean water to form a homogeneous mixture using screed mixer, force mixer or powerful hand mixer with spiral mixer. After a few minutes a plastic consistency is reached.
- Deliver, distribute, compact and smooth SCHÖNOX SEZ PLUS quickly. We recommend an automatic smoothing. Only mix as much mortar as can be worked within approx. 30 minutes.
- The minimum layer-thickness is 12 mm.
- Edge and movement joints should be taken over.
- Readiness for covering must be guaranteed by testing residual moisture with CM-apparatus. The sampling takes place over the whole cross section. Original sample weight 50 g. Shake the sample for 1 minute and read off the final value after further 4 minutes.
- Protect curing SCHÖNOX SEZ PLUS rapid-screed layers from high ambi-

## Technical data

- Basis: rapid cement mixed with sand (0 - 4 mm)
- Working time: appr. 30 min. at 20 °C
- Ready for foot traffic: after approx. 3 hours
- Ready for covering:
  - for ceramic tiles, textile and elastic coverings as well as cold curing resin coatings after approx 24 hours (up to 50 mm thickness). Residual moisture  $\leq 2,5$  CM-%.

**For later measuring for elastic coverings and coatings  $\leq 2,0$  CM-% does apply.**

- for parquet after approx 3 days (up to 50 mm thickness). Residual moisture  $\leq 2,0$  CM-%.
- for heated screeds according to EN 1264  $\leq 1,8$  CM-% for all kinds of coverings

**Measuring with CM apparatus, see method of working**

- Strength class: C40 - F6
- Application temperature: +5 °C to +30 °C
- Material consumption: 18 kg/m<sup>2</sup> per cm
- Reaction to fire: A1 / A1<sub>f1</sub>

All values are approximate and are subject to climatic fluctuations.

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ent temperatures, direct sunlight and draughts.

- Is the screed ready for laying within 3 days and no covering is laid, we recommend to cover the screed with a foil to avoid absorption of humidity again. The foil should be removed 24 hours before laying of the covering.
- Heating screeds according to DIN EN 1264 start to warm up after 3 days. Therefore hold 3 days a flow temperature of 25 °C and afterwards the maximum flow temperature (max. 65 °C) for 4 days. Subsequent warm down the screed until up to the cooling-off (protect for draught and rapid cooling-off). Lay floor coverings up to 18 °C surface temperature (corresponds to a flow temperature of 20 to 25 °C - depending on surrounding temperature).
- With heating screeds we recommend to follow the guideline "Schnittstellenkoordination bei beheizten Fußbodenkonstruktionen" from Bundesverband Flächenheizung e.V.
- Clean tools in water immediately after use.

## Packaging

- 25.0 kg paper sack

## Storage

- Store SCHÖNOX SEZ PLUS 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 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<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 1.

## 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-20160017-IBG1-EN

### Date of issue

23.05.2016

### Valid until

22.05.2021

## Instructions

- SCHÖNOX SEZ PLUS 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.
- High humidity, low temperatures and high thickness will retard, whilst high temperatures will accelerate the setting and readiness for covering.
- The application of reinforcement (e.g. mixing with AR-glass fibres) is possible. Obtain the requirements of the manufacturer.
- Mix SCHÖNOX SEZ PLUS only with the mentioned materials. Do not mix with cements or other chemical additives.
- For exterior use or use in wet areas take SCHÖNOX SEB.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend

obtaining further information from the manufacturer.

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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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