

Superfine, sturdy, all-purpose repairing mortar

quick drying, extendable to feather finish, very easy to handle. Filled in a handy 15 kg bag with handle.

Product characteristics

- EMICODE EC 1^{PLUS} R: very low emission, regulated
- easy to mix, no direct thickening after mixing
- no bonding to the trowel
- for interior use
- very sturdy
- superfine
- able to shape
- fast drying
- easy to grind
- high level of hardness and strength
- very smooth application
- suitable for application on subfloor heating systems
- synthetic resin-modified
- low consumption / high coverage
- layer-thickness 0 to 6 mm without aggregates
- low tension/stress
- suitable for castor wheels loading with layer-thickness more than 1,0 mm according to EN 12 529
- very smooth, low-pore surface

Applications

SCHÖNOX AST is suitable for patching, filling, repairing and levelling:

- of staircase steps and platforms
- as a levelling compound to level out differences in height to neighboring areas
- as a repairing mortar for filling holes and deepenings

Substrates

SCHÖNOX AST is suitable to be used on interior substrates like e.g.:

- calcium sulphate based screeds
- old substrates such as ceramic tiles, natural stones and terrazzo
- concrete
- cement and rapid cement screeds
- mastic asphalt screeds (sanded) IC 10 and IC 15 according to EN 13 813, layer-thickness 1,0 to 5,0 mm

- old substrates with old water-resistant adhesive residues
- magnesia screeds
- wooden substrates

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 thoroughly as possible.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- OSB is to be grinded intensively.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.

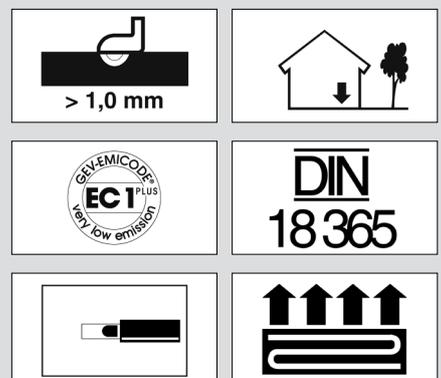
Priming

- **normal absorbent substrates such as:**
 - cement screeds
 - rapid cement screeds
 - concrete

Technical data

- Pot life: approx. 20 minutes at 20 °C
- Ready for foot traffic: after approx. 60 minutes
- Ready to level over: after appr. 30 minutes
- Ready for covering: after approx. 12 hours
- Application temperature: not below 5 °C floor temperature
- Material consumption: approx. 1,3 kg/m²/mm
- Reaction to fire: A1 / A1_{fl}

All values are approximate and are subject to climatic fluctuations.



prime with SCHÖNOX VD (1:3) or SCHÖNOX VD FIX.

- **calcium sulphate substrates such as:**
 - calcium sulphate screeds
- prime with SCHÖNOX VD FIX (drying time 60 minutes) or SCHÖNOX VD (1:1 / drying time at least 24 hours).
- **non-absorbent, smooth, sound substrates such as:**
 - mastic asphalt screeds, insufficient sanded
 - ceramic tiles
 - old water-resistant adhesive residues, almost completely removed
- prime with SCHÖNOX SHP or SCHÖNOX VD (neat).
- **Wooden substrates like e.g.:**
 - stable laid wooden planks
 - Chipboard or OSB
- protect against moisture with SCHÖNOX VD (neat)(drying time 2 hours).
- **xylolite screeds:**
 - prime with SCHÖNOX HP RAPID.
- **magnesia screeds (not xylolite):**
 - prime with SCHÖNOX SHP.

Mixing ratio

- For 15,0 kg SCHÖNOX AST
approx. 3,80 l water

Recommended method of working

- Using a clean receptacle, add SCHÖNOX AST to cold clean water to form a homogeneous mixture. Use of a mixer with a spiral mixer is recommended.
- Spread, smooth and model the levelling compound with a smoothing trowel or spatula.
- Do not mix more material than can be handled within 15 minutes.
- After becoming touch dry resp. brightening of the surface e.g. a self levelling compound can not be applied before achieving readiness for laying. Priming with SCHÖNOX VD FIX or SCHÖNOX VD (1 : 1) is necessary.
- Protect curing SCHÖNOX AST levelling layers from high ambient temperatures, direct sunlight and draughts.
- Immediately after use clean tools with water.

Packaging

- 15,0 kg paper sack with handle

Storage

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

EMICODE

- EC 1^{PLUS}: very low emission

GISCODE

- CP1 - levelling compounds based on calcium sulphate

Instructions

- All information applies to standard conditions and relates to the non-extended levelling compound.
- Please follow the relevant product data sheets when using complementary products. If in doubt, we recommend obtaining further information from the manufacturer.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

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

Deutsche Bauchemie e.V.
Industrieverband Klebstoffe e.V.
Verband der deutschen Lack- und Druckfarbenindustrie e.V.

Editor

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Program owner

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Number of declaration

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30.07.2013

Valid until

29.07.2018

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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