

### Solvent free 1K-PU Primer

suitable on substrates with high residual moisture. Also on floor heating systems. To solidify the upper rim zone of screeds and to adjust absorbency of subfloors. For interior and exterior use. The fast and save solution for critical substrates.

### Product characteristics

- EMICODE EC 1<sup>PLUS</sup> R: very low emission, regulated
- solvent-free according to TRGS 610
- one component
- quick drying time
- low odour
- water-resistant
- pigmented, application well visible
- low consumption / high coverage
- low viscosity
- good penetrability
- resistant to saponification
- can be applied to almost all substrates
- suitable for application on subfloor heating systems
- easy to apply
- grip promoting
- binds residual dust
- for interior and exterior use

### Applications

#### SCHÖNOX HP RAPID is suitable:

##### For two-layer application

- on moisture-resistant substrates with increased residual moisture
  - up to 4,5 CM-% on unheated cement screed
  - up to 3,0 CM-% on cement screed with floor heating
  - up to 6,0 wt.-% on concrete (kiln drying testing necessary)
  - up to 4,5 wt.-% on heated concrete (kiln drying testing necessary)

##### For one-layer application

- as a primer to improve adhesion on smooth and sound substrates
- to improve adhesion on various old substrates
- as a protective membrane against moisture out of auxiliary products by substrates sensitive to moisture (e.g. xylolite screeds, residues of spent sulphite liquor adhesives)
- to solidify the upper rim zone of screeds

- as a protective membrane against moisture out of tile adhesives by substrates sensitive to moisture (e.g. anhydrite screeds, anhydrite flowing screeds)

### Substrates

#### SCHÖNOX HP RAPID is suitable on:

- concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- mastic asphalt screeds
- old substrates such as ceramic tiles, natural stones and terrazzo
- old substrates with old water-resistant adhesive residues
- leftovers of water soluble adhesives and levelling compounds (e.g. based on spent sulphite liquor)
- dry screeds
- wooden substrates
- magnesit screeds

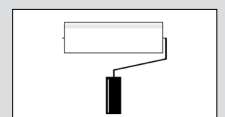
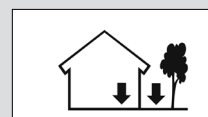
### Requirements of substrate

- Subfloors must be smooth, sound, clean, dry and free of any contaminants which may hinder adhesion.
- 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.
- 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.

### Technical data

- Basis: solvent-free 1-component polyurethane
- Color: yellow
- Density: 1,1 kg/l
- Storage temperature: not below + 5 °C
- Application temperature and substrate temperature: not below + 15 °C
- Ready for foot traffic: per layer after appr. 40 - 50 min.
- Drying time/further processing:
  - at least 40 - 50 min. (tack free surface)
  - at least 2 h for subsequent laying of parquet or sanding
  - at least 12 h for subsequent application of calcium sulphate based levelling compounds

All values are approximate and apply to 20°C and 65% rel. humidity. Humidity below 40 % and temperatures below 15°C are able to clearly slow down the drying time up to further processing is possible.



- 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.

### Material consumption

#### For single layer applicaton:

- appr. 100 - 150 g/m<sup>2</sup>

#### For double layer application:

- appr. 200 - 250 g/m<sup>2</sup>

- The consumption is related to the surface roughness of the substrate.
- If sanding is planned a third layer of SCHÖNOX HP RAPID is necessary. Obtain special information.

### Recommended method of working

#### General

- SCHÖNOX HP RAPID is no substitute to a moisture protection for constructions according to standard.
- SCHÖNOX HP RAPID is stirred or shaken before use.
- Apply SCHÖNOX HP RAPID evenly and undiluted. Avoid puddles.
- Apply the second coat (moisture barrier) as cross-coat.
- Increased material application per layer leads to skin- and bubble formation as well as to a delayed drying.
- For further processing later than within 72 hours grind SCHÖNOX HP RAPID e.g. by using a black pad.
- Recommended applicator:
  - Paint roller gold thread 18 mm - or comparable roller
  - Take care to apply an even, thin film.
- Drying time before applying the special primer SCHÖNOX SHP next to the application of:
  - cementitious and hybrid levelling compounds at least 40 - 50 min. (tack-free surface) after applying the last coating.
  - calcium sulphate based levelling compounds at least 12 h after applying the last coating.

#### Direct gluing of parquet

- Drying time at least 2 h after applying the last coating.
- Within 72 hours a direct gluing of parquet on the dry primer with SCHÖNOX elastic or PU-based parquet adhesives is possible.

#### Gluing of ceramic tiles and natural stones

- Drying time at least 40 - 50 min. (tack-free surface) after applying the last coating.
- After drying prime the surface with SCHÖNOX SHP before applying tile adhesives or cementitious levelling compounds.

#### Packaging

- 11 kg plastic canister

#### Storage

- Store SCHÖNOX HP RAPID in cool, dry, frost-free conditions.
- Storage life of 1 year (in closed packaging).

#### 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<sup>PLUS</sup> R: very low emission, regulated

#### GISCODE

- RU1 - solvent-free polyurethane adhesive / primer

#### EPD - Self-declaration

Sika Deutschland GmbH declares that the product fulfills the criteria for reaction resins polyurethane based, unfilled/ solvent-free, containing polyol.

#### 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-20150251-IBG1-EN

#### Date of issue

24.09.2015

#### Valid until

23.09.2020

#### Risk phrases

- Information on the safe handling of chemical products, as well as the essential physical, safety-related, toxicological and ecological data can be found in the current safety data sheets. Observe all relevant regulations, e.g. the hazardous substances act. Further instructions can be found on the internet at [www.schoenox.com](http://www.schoenox.com)
- For professional use only.
- This product contains isocyanates. Follow the instructions of the manufacturer. For more detailed information see Safety Data Sheet.
- To wear suitable personal protective equipment is necessary in any case. Please, find details on in the safety data sheet, chapter 8.

#### Instructions

- Clean tools immediately after use with SCHÖNOX FIX CLEAN. Although keep in mind occupational safety.
- Hardened material can only be removed mechanically.
- Do not use SCHÖNOX HP RAPID on elastic coverings like PVC, cushioned vinyl, rubber or linoleum.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

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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