

SYSTOPP®

Floorprimer 1k-PU

Solvent-free, single-component polyurethane resin primer and damp-proof membrane

Artnr.: 45.600

Function and application area

SYSTOPP® Floorprimer 1k-PU is a single-component polyurethane resin for:

- priming and protecting absorbent and non-absorbent cement- or anhydrite-based subfloors in interior and exterior areas.
- blocking excessive residual moisture up to max. 6.0 CM% in cement screeds without UFH residual moisture up to max. 3.0 CM% in cement screeds with UFH.
- strengthening and reinforcing weak screed surfaces.



Technical datasheet

Properties

- Water- and solvent-free
- Low odour
- Suitable on underfloor heating
- Fast-drying

Product information

Raw material base :		Polyurethane resin
Density:	at 20° C	ca. 1.17 kg/l
Viscosity:	at 20° C	ca. 230 mPas
Drying time:	at 20° C and 50% rL	40 – 50 minutes, at least 2 hours for sanded coatings
Storage temperature:		not below +5°C, sensitive to frost
Shelf life :		In sealed original containers at least 12 months

Climatical conditions

Processing temperature: between + 15° C and + 25° C*
Base temperature when processing at least 3°C above the prevailing dew point temperatures

Relative air humidity: < 80 % when processing

*in general, higher temperatures shorten the processing time and reduce viscosity. Low temperatures extend the processing time and increase viscosity.

Base

In accordance with DIN 18365, the base must be dry and firm and protected from ascending moisture. It must be suitable for blasting or sanding, it must be solid and load-bearing, and should not be subjected to any extreme temperature fluctuations. Dust, grease, oil or other structure-weakening soiling must be removed using suitable measures e.g. cleaning, shot peening or sanding. The maximum residual moisture for cement screeds without underfloor heating must be maximum 6.0 CM%; for screeds on unterfloor heating maximum 3.0 CM%.

Knopp GmbH
Adolf-Oesterheld-Str. 1 | D-97337 Dettelbach
Tel.: +49 9324/9199-0 | Fax: +49 9324/9199-66
Email: info@knopp-chemie.com | Internet: www.knopp-chemie.com

The indications and recommendations are conforming to the recent status of our knowledge and do not free the customer of our product to test the product on its own for its operation purpose. All liability from these prescriptions is excluded.



SYSTOPP®

Floorprimer 1k-PU

Solvent-free, single-component polyurethane resin primer and damp-proof membrane

Artnr.: 45.600

KNOPP
GmbH CHEMISCHE PRODUKTE

Adolf-Oesterheld-Str. 1
D-97337 Dettelbach
Tel: +49(0)9324/9199-0
Fax: +49(0)9324/9199-66
info@knopp-chemie.com
www.knopp-chemie.com

Technical datasheet

Consumption

As a primer:

Single coat: 100 - 150 g/m² depending on absorptive capacity and roughness of the base.

As a damp proof membrane:

Two or three independent coats: total consumption at least 250 - 350 g/m² depending on absorptive capacity and roughness of the base.



Processing

As solidification or primer:

SYSTOPP® Floorprimer 1k-PU is shaken well before use and evenly applied to the substrate with a rubber spreader, a lint-free velour roller or a trowel, avoiding ponding. The layer must form a thin closed film.

As a damp proof membrane:

SYSTOPP® Floorprimer 1k-PU is shaken well before use and applied in three layers with a rubber spreader, a lint-free velour roller or a trowel at intervals of at least 40 minutes each in a cross-coat, with the last application being sprinkled with quartz sand. Since SYSTOPP® Floorprimer 1k-PU can lead to bubble formation if excessive amounts are applied or if there is significant unevenness, multiple thin layers (e.g. 3 x 100 g/m²) should be applied evenly in a cross coat. Remove the excess quartz sand by sweeping or vacuuming. Previously coated surfaces can be walked on after approx. 40 – 50 minutes. After the primer has dried for at least two hours, but within 24 hours, the SYSTOPP® Floorprimer 1k-PU must be recoated with all commercially available products. Fillers are only allowed to be applied after complete setting. The product should only be used as a barrier primer to block capillary moisture, since it does not replace structural waterproofing in accordance with DIN 18195 Part 4. If dispersion adhesives are used, a filler must first be applied to SYSTOPP® Floorprimer 1k-PU to ensure drying of the dispersion adhesive.

Supply form

SYSTOPP® Floorprimer 1k-PU is supplied in the following forms:

5 kgs	PE-HD-can
20 kgs	PE-HD-can

Legal notices

All technical data and information in this leaflet are based on laboratory tests. Divergences can occur due to special conditions at the construction site which we are unable to influence. All information, prescriptions and recommendations for the processing and the use of our products refer to our experiences and insights for the standard case and require a proper storage and processing. A legal warranty for a working result or a liability from these prescriptions or oral consulting cannot be withdrawn, because of use of different materials, bases and working conditions, only if we can be charged with intention or gross negligence. The user must prove that he has send all knowledge in written form and in due time to the company Knopp GmbH to permit a correct rating.

Knopp GmbH
Adolf-Oesterheld-Str. 1 | D-97337 Dettelbach
Tel.: +49 9324/9199-0 | Fax: +49 9324/9199-66
Email: info@knopp-chemie.com | Internet: www.knopp-chemie.com

The indications and recommendations are conforming to the recent status of our knowledge and do not free the customer of our product to test the product on its own for its operation purpose. All liability from these prescriptions is excluded.