

Technical data sheet

PR100 (PUA-Grundierung)

2-component, solvent-free, fast-curing primer for mineral substrates

Areas of application

PR100 (PUA-Grundierung) is used as a primer on absorbent substrates such as concrete, screed or wood and serves as a binding agent for:

- Scratch filler
- Self-levelling mortar
- Sloping mortar

Features

- 2-component
- Polyaspartic
- UV-resistant
- Solvent-free
- Plasticiser-free
- Hydrolysis-resistant
- Resistant to de-icing salt
- Ecological
- Alkali-resistant

Properties*

- Processing time: approx. 30 minutes
- Rainproof after: approx. 80 minutes
- Can be recoated / walked on after: approx. 90 minutes
- Can take weight after: approx. 3 hours
- Can be recoated within: 48 hours
- Possible processing temperature range: from -10°C to +50°C
- Recommended processing temperature range: from +5°C to +40°C
- Colour shade: Colourless

*All measurements taken at +21°C and a relative humidity of 50%. Weather conditions such as wind, humidity and temperature will change the specified values.

Usage

Approx. 300-500 g/m²
Up to 1.00 kg/m² on highly absorbent substrates

Delivery form

- 20 kg Combination plastic container
- 10 kg Combination plastic container
- 2 x 2.5 kg Kneading bag in plastic container
- 4 x 1 kg Kneading bag in plastic container

Storage

Store in original container at +5°C to +30°C in a dry place.
Avoid containers coming into contact with direct sunlight, even on the construction site.
Can be stored for 6 months after production.



Primer

Processing

Substrate

The substrate must be clean, dry, non-slip and load-bearing, have sufficient impermeability and strength, be free of cement slurry, formwork oils, sealants and after-treatment agents (curings) as well as dirt, oil and grease, etc. Pre-treating the substrate by granulate or shot blasting, high-pressure or ultra-high-pressure water jetting, milling or surface-removing grinding (including the respective necessary after-treatment) is usually mandatory.

Tiles must always be sanded. The airing times and recoating ability of the individual layers must be observed.

Application

The mixed primer is applied to the substrate and spread out evenly. The primer should only be applied when temperatures drop.

The primer must extend approx. 5 mm beyond the planned sealing. If the recoating time cannot be observed, fire-dried quartz sand (0.3 mm-0.9 mm) must be generously thrown into the primer while it's still fresh. Alternatively, the primer must be sanded and the sanding dust thoroughly removed.

- The component temperature must be at least 3°C above the dew point.
- The residual moisture in the mineral substrate must not exceed 6% by weight.
- The surface to be primed must be protected against rising damp (pressing water).

Mixing

Mix the hardener component B and the base component A evenly and without streaks for at least 3 minutes. After this, transfer the mixture into a clean container and stir again using a basket agitator at 300 rpm for at least 1 minute.

Tools and aids



Personal protective equipment

Please consult the product safety data sheet for information on personal protective equipment.

General information

Times are reduced at higher ambient and substrate temperatures and extended at lower ones. The processing tools and equipment used as well as different construction site conditions play a role when it comes to specified usage values. This means these are variable. Unevenness resulting from the substrate cannot be levelled out using the product.

The product must not be mixed and processed with other substances not belonging to the system. No materials other than those specified by FRANKEN SYSTEMS GmbH are permitted to be used.

The current version of the DAfStb guideline "Protection and Repair of Concrete Structures" must be observed.

Thinning

Thinning with up to max. 3% with system thinner is possible, see primer recommendations:

FRANKOSIL® (TL028)

REVOPUR® (TL35)

FRANKOLON® (TL006/TL007)

Tools can be cleaned using the system cleaner, see primer recommendations:

FRANKOSIL® (TL028)

REVOPUR® (TL35)

FRANKOLON® (TL006/TL007)

Miscellaneous

It's to the best of our knowledge that we've provided the above information as well as our technical advice on applications, whether verbal, in writing or by means of tests. However, this information shall only be regarded as non-binding, which also applies to any property rights of third parties. The advice does not release you from examining our current advisory notes yourself (our safety data sheets and technical information in particular) and our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products as well as the intended use selected by you on the basis of our technical application-specific advice are beyond our control and are therefore exclusively your responsibility. The sale of our products is subject to our current General Terms and Conditions of Sale and Delivery. Warnings on the product labels must be observed. The latest version of the applicable documents shall be used.

Please check that the documents used are up-to-date and/or request an up-to-date document before each application.