Technical data sheet P 20

SiliciO$_2$-P 20

Deep penetrating primer

Art.-No.: 2021, 2022, 2023

Solvent-free and depth-active primer reduces the absorption behavior of mineral subsurface.

Technical Specifications

Base	Aqueous dispersion
pH-Value	8 – 9
Application temperature	from +8 °C to +35 °C
Solvents	None
Density	1,0 g/cm³
Color	Milky white
Drying time	At least 2 hours at 20 °C / 50% r.h.*
Consumption	0,15 – 0,25 kg per m²

* highter temperatures shorten, lower temperatures extend the time specified

Characteristics

- Free of VOC and APEO
- Environmentally friendly
- Open to water vapor diffusion
- Dust-binding
- Strengthens porous surfaces and reduces the absorbent behavior
- Improves adhesion
- Prevents bubble formation in the subsequent coating

Fields of application

- For the preparation of cement-based surfaces such as cement screed, concrete, plaster, sand-lime brick, gypsum fiber boards etc.
- For the subsequent application of floor leveling compounds and coatings for industrial flooring (SiliciO2-VSM product range), mineral adhesives, fillers, waterproofing compounds
- As a burn-on barrier for subsequent thin-layer coatings or floor leveling compounds
- Temporary dehydrating brake
- Temporary impregnation
- Wallpaper primer
- Can be used indoors and outdoors

Preparation of the subsurface (subsoil)

Before commencing the coating work, make sure that the subsurface is dry, dust-free and clean, i.e., free from substances that could prevent good adhesion. Depending on the intended layer structure, mechanical surface preparation, e.g., by shot peening, may be recommended. By roughening the surface, you will achieve a better adhesive bond between the individual layers. The concrete surface must be dry for priming with SiliciO2-P 20. Complete the priming at least 2 hours before coating. Coating with SiliciO2-VSM products must be completed on the primer within 6 hours.

Processing

Apply SiliciO2-P 20 twice over the entire surface, adapting the tool to the specific application. For large and absorbent subsurface, a rapid and effective priming is best achieved by the flooding method. To do this, apply SiliciO2-P 20 in strips to the prepared subsurface and then scrape the surface with a rubber squeegee. To absorb excess primer and ensure even distribution, then roll the freshly primed floor surface with a wide short-pile paint roller to prevent puddling.
Use a tassel or brush to remove excess material from any holes or breakouts. Depending on the shape and depth of the holes, we recommend filling with SiliciO2-R 15 to ensure that the surface is even for the subsequent coating.
When applied to wall surfaces, we recommend the use of a long pile paint roller for the application of SiliciO2-P 20. You can fill any breakouts that may exist here with SiliciO2-R 10.
Surfaces filled with SiliciO2-R 15 or SiliciO2-R 10 must subsequently be primed twice again to equalize the surface absorbency. Further information on the use of the products mentioned can be found in the respective technical data sheets.

Equipment and cleaning

You will need a short-pile and a long-pile paint roller, brush, tassel, rubber squeegee, and sprayer.
After each work interruption, clean the tools with water and dry them before using them again.

Packaging and storage

5kg canister, 30kg canister.
Can be stored for at least 6 months, if stored in the original packaging and in a dry environment (not below 0 °C, recommended 10 to 25 °C). Close opened containers immediately and use the contents in the shortest possible time.

Safety information

In the latest safety data sheet, you will find further information on safety during transport, storage, and handling, as well as information on disposal and environmental protection. You can download the safety data sheet from our website at www.silicio2.com. Also observe the instructions on the product packaging.

More information

Check for adequate filming before reworking.

An exception exists if intent or gross negligence can be proven against us. In this case, it is the user's responsibility to prove that he has provided all knowledge required for proper and promising evaluation by SiliciO2 GmbH, in writing, and in a timely and complete manner. Any additional information on the processing and application of the products shall require the written confirmation by SilicO2 GmbH. Furthermore, the user must check the products for their suitability for the intended application. We reserve the right to make changes to the product specifications through the course of further development. In all other respects, our general terms and conditions shall apply. With the publication of this technical data sheet, the previous versions lose their validity. You can download the current technical data sheet at www.silicio2.com.