

Pre-treatment for highly absorbing mineral surfaces

Description

OBTEGO® P-20 is a waterborne pre-treatment based on an acrylic co-polymer with a water-repellent effect.

Properties

OBTEGO® P-20 reduces the penetration of aqueous liquids and other soiling. The product is basically used as pre-treatment of OBTEGO® R-400. With P-20 you increase also the resistance against acidly liquids. The effectiveness depends on the material and absorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance of stain protection.

Basically, there is no or only minimal changing of the surface appearance (color deepening), but an increase of gloss and a slightly film formation will be to expected. The water absorption will be strongly reduced. The active ingredients are largely UV-resistant and non-yellowing.

Scopes of application

OBTEGO® P-20 is applicable to all highly absorbent cementitious floors such as troweled or grinded concrete screeds, self-leveling compounds, limited use on magnesite screed and mastic asphalt (grinded). Fields of application are floors in private and commercial areas with light to medium duty traffic. The product is suitable for both indoor and outdoor use.

Note: The acid sensitivity of the surfaces still remains, but it will be reduced significantly.

Processing

The treated surface must be dry (residual moisture < 6%), firm, clean, absorbent, free from oil, grease, releasing agents and any other impurities. Clean the surface with an auto-scrubber machine and clear water. To ascertain the consumption, make a separate sample area of the same surface. Apply the product with a pressure sprayer and a suitable nozzle (0,2 - 0,3 is recommended). Work hand in hand with a second person, which is using a short-pile synthetic roller (e.g., Nylon/Polyamide 8mm) to get a homogenous finish. For very high absorbing surfaces a repeated application is highly recommended. The surface must be completely saturated with the product, but there should be no significant layer build-up (→ increased scratch sensitivity, blistering and orange peel when layer build-up). The drying time is about 1-2 hours. In the case of highly absorbent floors, the drying time can last several hours or even overnight. The surface must be completely dry before continuing. No damp spots should be visible. Afterwards apply OBTEGO® R-400 according to the manufacturer's instructions (see product data sheet).

Note: Adjacent surfaces must be protected against splashes. Cleaning of equipment and tools with water. Before using OBTEGO® R-400, check the P-20 surfaces for adequate application and function. This can be done with a water test. Either place a few drops of water in several places on the entire surface or even better wipe over the pre-impregnated surfaces with a damp/wet mop. The floor should not get wet immediately (not getting darker). If wetting occurs still after a few seconds, either too little P-20 has been applied, the floor is unsuitable or there is another problem (e.g., if the floor has already been treated with another impregnation).

Processing temperature

Avoid direct sun radiation during processing. The surface temperature should be between 10 ° C and 25 ° C (50 – 25F). Floor heating maybe turn off. Avoid direct moisture until the pre-treatment is totally dry.

Drying time

The curing time is between 1-2 hours. According to ambient temperature, humidity and absorption there could be a difference in curing time.

If the treated floor has to be covered, this may only be done with a diffusion-open cover and after complete drying. Recommendation: Diffusion-open fleece. If necessary, additionally with wooden hardboards/fiberboards or generally with diffusion-open protective and laying floor such as Hammerfest from the company "Protect & Cover" or comparable.

Productiveness

Depending on the absorption following values can be assumed. A second application halved the coverage. Reference value:

grinded surface: approx. 20 - 30 m²/liter
 not grinded surfaces: approx. 10 - 20 m²/liter

Storage

Protect from frost. Shelf-life in cool, dry and closed container is about 12 months. Seal opened containers should be used as soon as possible.

Environmental Protection

Not empty into drains. WGK 1 (low water endangering). Waste codes/waste designations according to EWC/AVV. 08 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified. Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Security

OBTEGO® P-20 is harmless to health after drying up. A good ventilation should be provided during and after the processing. Observance of special security measures if the product will be use in a spraying application. Safety data sheet available for professional user on request.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Contains Triisobutyl phosphate. May produce an allergic reaction. Safety data sheet available on request.

Identification marking for transportation:

PU	PU-marking	Transport documents
a	n.a.	n.a.

Packaging Unit (PU)

10 liter PE canister

(Bigger containers and barrels have to be inquired)

This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on a inconspicuous spot.