

## Pre-treatment for highly absorbing mineral surfaces

### Description

OBTEGO® P-20 is a waterborne pre-treatment with a acrylic copolymer, very good pore filler properties and a water repellent effect.

### Properties

OBTEGO® P-20 reduces the penetration of aqueous liquids and other dirt. 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 color (no hue deepening), but an increase of gloss will be to expected. The water absorption will be strongly reduced, but the diffusivity will be only marginally affected.

### Scopes of application

OBTEGO® P-20 is applicable to all highly absorbent cementitious floors such as troweled or grinded concrete floors/screeds, self leveling compounds and matic asphalt (grinded). Fields are e.g. industrial floors in commercial establishments, market halls, shopping malls and supermarkets in the indoor and outdoor use. For highly absorbent surfaces, it's recommended a pretreatment with OBTEGO® P-20 and if no (almost no) color enhancement is required.

**Note:** The acid sensitivity of the surfaces will continue to exist, but will be reduced.

### Processing

The treated surface must be dry (residual moisture < 4 CM%) and free from impurities. To ascertain the consumption make a separate sample area of the same surface. Apply the product with a airless sprayer and a suitable nozzle (0,2 - 0,3 is recommended). Work hand in hand with a second person, which is using a short hair roller (synthetic hairs, e.g. Polyamide) to get a homogenous treatment. For very high absorbing surfaces double or even triple application is recommended. The saturation of the surface has been reached, when the floor get's not wetted (get's not darker), when you wipe e.g. with a wet mop or rag over the surface. Curing time will be around 1-2 hours on very high absorbing surfaces drying time can be also several hours up to overnight. The surface must be completely dry, without any wet (darker) areas. After the pre-treatment is completely dry, apply OBTEGO® R-400 specified by the manufacturer (see also technical data sheet).

**Note:** Adjacent, solvent-sensitive surfaces must be protected against splashes. Remove surplus material film before drying up. Clean equipment with water.

### Processing temperature

Avoid direct solar radiation during processing. The surface temperature should be between 10 ° C and 30 ° C (50 – 86 F). 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.

### Productiveness

Depending on the absorption following values are to be liable. A second application halved the consumption. Reference value:

grinded surface: approx. 20 - 30 m<sup>2</sup>/liter  
not grinded surfaces: approx. 10 - 20 m<sup>2</sup>/liter

### Storage

Protect from frost. Shelf-life in cool, dry and closed container is about 12 months. Begun cans should be worked up 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 phosphite. 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.