

Pre-treatment for cementitious surfaces

Description

OBTEGO® P-10 is a solvent-based pre-treatment with a fluorocarbon oligomer which gives an excellent water-and oil repellent effect.

Properties

OBTEGO® P-10 reduces the penetration of aqueous liquids, grease, oils and other dirt and is basically used as pre-treatment at absorbent concrete surfaces. 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 changing of the surface appearance (no hue deepening). The water absorption will be strongly reduced, but the diffusivity will be only marginally affected. The active ingredients are UV-resistant and not going yellowing.

Scopes of application

OBTEGO® P-10 is applicable to all concrete bounded floors and industrial artificial stone/Terrazzo. 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-10.

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. At grinded or polished surfaces apply the product homogenous with a airless-sprayer onto the floor (suitable nozzle 0,1 – 0,2). 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. After approx., 5-10 min. the material penetrate completely into the surface. Avoid paddles! Drying time of the product is 24-48 hours. Afterwards apply OBTEGO R-400 as specified by the manufacturer (see also technical data sheet). For rough, absorbent surfaces a double treatment is recommended.

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

Processing temperature

Avoid direct solar radiation during processing. The surface temperature should be between 10 °C and 30 °C (50 – 86F). Floor heating maybe turn off. Avoid direct moisture to the development of water-and oil repellent effect.

Drying time

The water-and oil repellent effect develops after 2-3 hours, the full effect occurs after 24-48 hours. You can walk on OBTEGO® P-10 treated surfaces approximately after 3 hours.

Storage

Shelf-life in cool, dry and closed container is about 12 months. Begun cans should be worked up as soon as possible.

Environmental Protection

Contains solvents (ethyl alcohol). The product is free of hydrocarbons. Not empty into drains. WGK 1 (low water endangering). Waste codes/waste designations according to EWC/AVV. 08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances. (*Evidence for disposal must be provided.) Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Security

OBTEGO® P-10 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.

Ingredients: Trimethoxy(methyl)silane.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Highly flammable liquid and vapour. Causes serious eye irritation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Identification marking for transportation:

PU	PU-marking	Transport documents
a	class 3, UN 1170	yes, UN 1170, class 3, PG II; Ethanol Solution

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.