

Unisil PE-25

The agent for the treatment of concrete

Description

Emulsion of paraffin in water.

Properties

Prevents the evaporation of moisture from freshly laid concrete.

Special properties

- Stable viscosity;
- does not stratify during storage;
- easy to apply due to homogeneous consistency;
- does not clog the injectors of spraying equipment.

Applications

As the agent for the subsequent care of concrete on large horizontal or inclined surfaces:

- Runways;
- highways;
- sidewalks;
- walls;
- dams;
- bridges;
- tunnels;
- other concrete surfaces that require the retention of water evaporation.

When applying Unisil PE-25 on freshly laid concrete, an impermeable white film is formed, that retains more than 90% of water in concrete for at least 3 days. Due to this, the treated concrete acquires a harder, less dusty surface, minimizing the cracks in result of the drying/shrinkage of the concrete. Depending on weather conditions and/or wear, the film will remain for 3 - 4 weeks. By this time, hydration is almost completed.

Safety instructions

Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request from the Unisil Hungary Kft or printed from the website Unisil Hungary Kft www.unisil.eu.

Technical specification of Unisil PE-25

Appearance	Homogenous emulsion free of mechanical impurities
Color	not standardized
Mass content of solids, %, at least	25
Medium reaction (pH)	7,0 - 9,0
Density at temperature 25°C, g/cm³	0,97 - 0,99

For more information please contact your nearest representative of Unisil Hungary Kft.

LIMITED WARRANTY

PLEASE READ CAREFULLY

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose. Unisil Hungary Kft warrants only that the product meets its specifications in effect at the time of delivery.

Method of application

The emulsion is ready for use, mix thoroughly before application. Apply evenly to a freshly laid concrete surface by mechanical or pneumatic method. When pouring concrete into the formwork, apply PE-25 immediately after removing the formwork.

Do not apply the emulsion on the dried surface of concrete. If the concrete surface has dried, moisten it with water.

Cleaning tools:

Immediately after completion of work, clean sprayers with water. Pay special attention to cleaning the nozzle and the working parts of the spray gun.

Advantages

Forms a visible film that is impermeable to water vapor, atmospheric precipitates and retains moisture in freshly laid concrete, which is necessary for complete hydration of the concrete.

Effectively protects the concrete surface from sun, wind and rain.

Does not contain solvents.

Easy to apply and cost effective.

Improves mechanical strength.

Storage

Store in original containers at temperatures from 5 °C to 35 °C. Stock in a dry, cool and well-ventilated place away from fire hazardous areas. Protect from direct sunlight and moisture. Do not expose to low temperatures.

The shelf life in original container is 6 months.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

Packing

- Polyethylene cans of 20 L;
- polyethylene barrels up to 200 L;
- polyethylene containers of 1 m³.