EVAPORATION PROTECTION

O1 EVAPORATION PROTECTION

TEST CERTIFICATES AND SUPPORTING DOCUMENTS

› Product meets the technical delivery specifications "flüssige Betonnachbehandlungsmittel für den Straßenbau" (liquid concrete finishing systems for use in road construction) TL-NBM-StB 09
› Product acc. to ASTM C-309 "Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete"
› Company certification acc. to DIN EN ISO 9001:2015

PROPERTIES

› Protects surfaces from premature water evaporation
› Ensures that concrete, screeds and mortars dry out evenly and gradually over a period of 3-4 weeks.
› Forms a largely water vapour-proof protective film, weathers very slowly
› Improves the strength in the area close to the surface and increases the durability substantially
› Hampers early drying shrinkage and a dehydration too early; thus minimising 'sanding' on the surface
› In normal climatic conditions, no further follow-up treatment or control of the concrete is required.

AREAS OF APPLICATION

› Concrete road surfaces
› Mortar surfaces
› Cement screeds
› Concrete bricks and prefabricated parts

TECHNICAL DATA

TYPE		O1
Consumption approx.	g/m^2	100–150
Barrier coefficient	%	85
Density	g/cm^3	0.99
Colour		white

Storage: 12 months. Cool, dry, free from frost. Unopened in its original container.
Delivery form: 20-kg-canister
Hazard class: Non-hazardous material, observe information on packaging.
GISCODE: ZP1

PROCESSING

O1 Evaporation protection can be applied by brush or sprayed on.
Should preferably be applied using spraying devices with ultra-small nozzles that create an even film. When applying **O1** Evaporation protection on vertical surfaces, preferably, sprayers with ultra-small nozzles should be used at a constant spraying pressure to prevent staining due to uneven application quantities or run-off. Hold spraying nozzle approx. 1 m from the surface. A minimum pressure of at least 1.0 bar is required. Lime and pesticide sprayers with a 2 mm nozzle have proven to be particularly suited. The device has to be cleaned after use.

O1 should only be applied, when no more water film is visible on the surface. A matt-moist surface guarantees an optimal effect.

If **O1** is applied with a roller or a brush, higher consumption quantities have to be taken into consideration.

After the application, **O1** initially appears to be white on the surface. After drying, the follow-up treatment film becomes transparent.

At high or low temperatures, direct exposure to sunlight and/or wind, additional protective measures are compulsory, e.g. additional covering with foil.

After some weeks, the film formed from **O1** usually wears away as a result of weathering. **O1** must be removed from the substrate for subsequent painting or coating.

O1 is not flammable, store protected from frost and strong sunlight.

Temperature range: +1 °C to +35 °C

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