



SEALCEM®



SEALCEM® DSV S100 Solvent-based varnish

SEALCEM® DSV S100 by Topciment® is a solvent-base varnish for decorative and industrial concrete, printed or microcement pavements. It creates a protective film, which improves curing. It has good adhesion on porous substrates and mineral or cementitious substrates, as well as good chemical and mechanical resistance in general. Ideal for use in exteriors.

Properties

- Especially recommended for protecting cementitious surfaces such as roadways, pedestrian lanes, garage floors, decorative printed or microcement pavements or concrete floors.
- High transparency and weather resistance.
- Good resistance to abrasion and hot-cold cycles.
- Good resistance to water and humidity.
- Significantly enhances the color of printed and concrete coatings, maintaining the original texture.
- Good resistance to alkalinity and efflorescence.

Preparation

Solvent based product, does not require dilution. If necessary, to reduce the viscosity of the product it can be diluted with up to 5% of universal solvent.

Consumption

Applied on printed concrete:

- 6 - 8 m²/L

Technical data

- Appearance: Transparent
- Density: 0,90 ± 0,01 g/cm³
- Dynamic viscosity (L2 at 250 rpm): 59 ± 2 mPa-s
- Static viscosity (L1 at 20 rpm): 49 ± 2 mPa-s
- Viscosity in Ford Cup 4 mm: 28 ± 2 s
- Application temperature: >5°C
- Dry to touch: 1 - 2h
- Recoating: 2 - 4h
- Drying: 24 - 48h

Characteristics

- Dispersion of styrene-acrylic ester copolymers in aromatic organic solvents.
- Solids: 35 - 37
- Complete solubility in aromatic hydrocarbons, esters and ketones. Limited in aliphatic hydrocarbons and alcohols.

Application

After 72 hours from the execution of the pavement, wash the surface and when it is free of humidity (maximum humidity 4%), apply SEALCEM® DSV S100 by spraying, at a distance of 30 or 40 cm of separation. Cover the whole surface, trying to apply a uniform film and avoiding leaving thick layers or puddles.

Applied with a roller, stretch the product well to ensure a homogeneous distribution and avoid areas with excess product, as it is already areas with excess product, as this can delay the drying and even prevent the correct formation of a hard film.

The application must be carried out at ambient and substrate temperatures between 5°C and 30°C, without excessive wind.

The application on hot surfaces (>35°C), can produce an excessive evaporation of the solvent, favoring the formation the appearance of blisters or bubbles, as a consequence of the boiling of the product. In this case it is recommended to sand the affected area and reapply the product when the surface is cold.

Under certain conditions, it may yellow over time, so it is not recommended to apply on white or light-colored surfaces.

Special precautions

Readily flammable product. Irritating to eyes and skin, prolonged exposure may cause dryness or cracking of the skin. Harmful by inhalation, inhalation of vapors may cause drowsiness and dizziness.

In case of contact with eyes, flush with plenty of water for 15 minutes and seek medical attention. In case of contact with skin wash with soap and water. Never use solvents or thinners. Do not swallow. In case of ingestion, do not induce vomiting and seek medical immediately.

It is recommended to comply with the following measures:

- Good ventilation.
- Use of mask with chemical absorbent.
- Protective goggles to avoid splashing.
- Rubber gloves.

Empty containers should be disposed of in accordance with current legal regulations. To prevent the product from drying or thickening close the lid after each use. Keep out of reach of children.

Packaging

Available in 25-liter metal containers

Cleaning of the tools

Tools are washed with universal solvent immediately after use.

Storage conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 10°C and 30°C in a dry and well-ventilated place, away from sources of heat and direct sunlight. The shelf life is 1 year from the date of manufacture, properly stored.



The product should not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility user to take the appropriate measures in order to comply with the requirements established in the legislations. The following Safety Data Sheets are at the disposal of the professional.

Last edition: August 2023