
Flo-Dens S

Liquid hardener crystallizing in concrete structure base on lithium silicate

Application

Flo-Dens S used to renovate old and finishing new concrete floors, including dry shake hardened and polished.

Approval

The product complies with the requirements of BS EN 1504-02:2006

Benefits

- This causes additional hardening and sealing of concrete floors.
- Increases hardness up to max. 8 on the Mohs scale
- It causes approximately 30% increase in abrasion resistance
- Creates a moisture-resistant and lint-free surface.
- Raises aesthetic appearance of the floor.

- Suitable for use inside and outside the building.

Characteristic

Flo-Dens is a technologically advanced product base on lithium silicate building a micro-hard crystals in the surface layer of concrete.

It is supplied in as a transparent colored aqueous dispersion of chemically active molecules reacting with cement in concrete with sprinkles and pH of about 11

Instructions for use

Preparing the surface

Old floor should be repair by mortars Renocem and then remove dirty and weak layer in concrete by grinding.

On new-fresh floor to the existing all dirt, laitance and loose particles should be

removed.

The result obtained on the grinding-surface should be smooth, not cracked and homogeneous.

Application

The newly done floors Flo-dens S we apply immediately after the distribution, and erasure sprinkles Flor-top on concrete. Make an application by spraying (approximately 0.05 l/m²) and then cure surfaces using Flosil or overlap with foil.

At the old substrate prepared then applied the right amount of Flo-Densu S (about 0.07 l/m²) using low pressure spray . Spraying should be carried out in the mist forming nozzle while providing total coverage area, so that was wet for 20 -40 min. Using too much Flo-dens S can lead to discoloration after drying and staining. Then Flo-dens S rubbed surfaces of the brushes in order to ensure uniform distribution on the surface and did not lead to a plush and streaks. So the prepared surface should be left for 1-2 h to dry. After drying, any residue must be removed by sweeping or using cleaning machines.

On particularly porous surfaces of old concrete operation must be repeated after 24h.

The old floor is ready for use after drying

The final parameters of the surface is obtained in the course of 7 days, but the results are already visible after 24 h.

In order to quickly obtain the gloss floor can be after 12 h mechanically polished by soft pads.

Performance

Flo-Densu performance is 15-20 m² / l.

Operation

In use, the floor should be cleaned with water, possibly with the addition of a small amount of mild detergent.

Safety Precautions.

Flo-dens S is a measure of pH 11 which is in contact with water and other liquids gives rise to factors which may cause slight irritation and rash. Wear suitable protective clothing, gloves and goggles. In case of skin contact, immediately wash the skin with clean water. In

case of contact with eyes, flush thoroughly with plenty of clean water and seek medical advice.