

Satex SH1

Liquid floor hardener, densifier

Properties

Satex SH1 is ready to use, colorless liquid, formulated with chemically reactive raw materials to harden and dust proof concrete. Penetrates deeply into concrete harden surfaces to help prevent entry of moisture and other foreign matter.

Area of applications

Satex SH1 is used as liquid floor hardener and densifier. It is suitable for warehouse floors, storages, factory halls.

Product Data

Base	alkaline silicate solution
Color	clear, without colour
Density	approx. 1.15 g/cm ³
pH value	approx. 11.5

Working instructions

Application with spraying equipment or a brush:

The cleaned concrete/screed surface should be pre wet in advance (best 1 day before impregnation). The surface should be dry but still dark with moisture. Spray or brush on Satex SH1 several times to saturation (wet-on-wet) but avoid pools. Remove excess material or, after a corresponding gel formation time (approx. 30 min.), wash off with water.

Impregnation under gravity:

Pre wet the cleaned floor in advance (best 1 day before impregnation). The surface should be dry but still dark with moisture. Apply Satex SH1 very generously, then work the material into the surface with a hard broom until a gel begins to form (approx. 30 min). After gel has formed, excess material is mixed with plenty of water, worked through with a broom and then completely vacuumed off the surface. When using Satex SH1 on large surfaces, the use of cleaning machines equipped a vacuum cleaner is recommended. If remains of the water gel material remain on the substrate, the white crystals that form can be swept off with a soft broom.

Protection for fresh concrete on working:

The use of Satex SH1 to protect fresh concrete can be carried out as soon as the surface can be subjected to foot traffic. After the desired surface strength has been achieved, the surface can be utilised. Before a coating is applied, the substrate should have reached its compensation moisture balance.

Watchpoints:

In the case of pigmented screeds, there may be a change in colour after Satex SH1 has been applied. Because of the differing absorption behaviour of mineral substrates, impregnated surfaces look spotty.

Satex SH1 should not be used on surfaces that have already been impregnated with synthetic resin or on extremely damaged pore structures (broken out areas, macroscopic cracks or pores).

The reaction of Satex SH1 may take up to 90 days, depending on ambient conditions.

Notes

This data sheet is based on comprehensive experiences, intends to inform to the best knowledge, is not legally binding and does not constitute a contractual legal relationship or a side obligation from the purchase agreement. We guarantee for the quality of our product under our terms and conditions of sale and purchase. In to reduce the risk of error, limiting information is also stated. We reserve the right to make changes representing technical progress. This data sheet supersedes all earlier technical data on this product.

Consumption

Depending on the absorbency of the substrate and application method, approx. 0.15 - 0.50 kg/m².

Delivery and storage

Satex SH1 is delivered in 10 kg, 30 kg plastic canisters, 200 kg drum. It can be stored in unopened, original containers, cool but frost free at least 24 months.