

Flowchem SP3

Product sheet

Product description

A colourless, penetrating "In surface" reactive chemical hardener (sodium silicate based) which densifies, hardens and boosts the chemical resistance of concrete surfaces.

Flowchem SP3 is a highly penetrative surface hardener and dust proofer. It can penetrate up to 40mm depending on the concrete density, having a life expectancy of 15-20 years.

Supplied as a single component concentrate (which is diluted on site) Flowchem SP3 can be applied to new concretes after approximately 10 to 14 days (dependent on site temperatures and humidity).

Uses

New and old concrete floor slabs, warehouses, production areas, silos, silage beds, dairies, car parking bays etc., dust proofing concrete floors.

Meets special duty abrasion resistance AR1 (less than 0.1mm) under C & CA abrasion test as per BS8204-2.

Environment & Health

Flowchem SP3 is solvent-free and odourless. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheet.

Application temperature

The recommended substrate temperature is 15 - 25°C, but no less than 10°C.

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24 hrs after application.

Consumption of Materials

Approximately 0.2 kg/m² applied in two coats (dependent upon profile and porosity of the substrate).

Application

All metal, glass and paint work should be protected before applying Flowchem SP3.

Ensure the concrete surface is clean, sound, dry and free of oil, grease and surface contaminants. Thoroughly remove all particles and dust.

For the first coat, dilute Flowchem SP3 1:2 parts (by volume) with clean water and thoroughly mix in plastic containers. The use of warm water greatly assists the mixing process.

Apply liberally by soft broom over the surface and allow to soak in for a period of at least 15 minutes; during which the surface must be continually saturated to fully arrest the porosity of the substrate.

Remove excess by squeegee; do not allow to dry in puddles. The drying time will be directly dependent upon the temperature, humidity and air movement during the drying process.

For the second coat, dilute Flowchem SP3 1:1 parts (by volume) with clean water and apply as above, when the surface of the first coat is dry.

When the second coat is dry, thoroughly wash the floor with clean water, ensuring that any crystals or residue are removed (the use of a hard broom will assist in this).

A slight white residue may occur after an application of Flowchem SP3, which can be removed by washing down with hot water.

If white residues do occur, use a more diluted mix of Flowchem SP3 and water.

Colours

A colourless water based solution. The colour of the impregnated surface is not changed.

Solids content

Approx. 20%

Finish

Matt (penetrating sealer)

Density

Approx. 1.2 kg/litre.

Storage

12 months in an unopened pack at a temperature of 5-40°C.

Protect from frost.

Protect from weather and moisture / contaminant ingress.

Packaging

The product is supplied in the following packs:

Unit

25 kg (20.8 litres).

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

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