



Flowchem SP3

Product sheet

Product description

A colourless, penetrating "in surface" reactive chemical hardener 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.

Supplied as a single component concentrate Flowchem SP3 can be applied to new concrete surfaces 10 to 14 days after the concrete has been laid (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.

Flowchem SP3 meets special duty abrasion resistance AR1 (less than 0.1mm) under C & CA abrasion test as per BS 8204-2.

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 material safety datasheet.

Application temperature

The recommended substrate temperature is 15 - 35°C. The temperature of the substrate must exceed the "dew point" by 3°C during application and hardening. Once the material has been applied the temperatures must not fall below 5°C in the first 24 hours.

Consumption of Materials

Flowchem SP3 is applied at a rate of 0.2 kg/m² in two coats. Actual coverage rates are dependent on the porosity of the substrate.

Application

Protect all metal, glass and paint work 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.

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

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

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

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

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 be present after the application of Flowchem SP3 which can be removed by washing with hot water or by applying another coat of Flowchem SP3 which has been less diluted. If the problem persists please contact Flowcrete's technical department.

Colours

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

Solids content

Approximately 20%

Finish

Matt (penetrating sealer)

Density

Approximately 1.2 kg/l

Storage

Flowchem SP3 can be stored for up to 12 months in its original, unopened pack at a temperature of 5-40 °C.

Stored material must be protected from frost, inclement weather and moisture/contaminant ingress.

Packaging

The product is supplied in 25kg packs.

Any recommendation or suggestion relating to the use of the products made by Flowcrete India Pvt Ltd, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.