

Flowseal PU Satin – previously known as Flowseal PU Matt (WB)

Product sheet

Product description

A 2-component, water based, aliphatic, clear, satin/matt sealer, designed to provide a finish with a gloss value typically between 10 and 25% (60 degree head).

Uses

As a UV stable, abrasion resistant clear sealer applied as a floor finish to Flowcrete screeds and toppings.

Environment & Health

Flowseal PU Satin is solvent free. 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 datasheets for the individual components.

Ratio of components

4.75 parts of component A are mixed with 1 part of component B, by weight.

Mixing of components

Add all of Hardener B to Base A. Mix with a slow speed drill and helical spinner, taking care to minimise air entrainment.

For use as a topcoat (e.g. Peran Floor Flakes):

Dilute the mixed product with 500ml (500g) clean water (per 4.6kg Unit) to ensure the correct application viscosity and consistent satin finish.

For use as a penetrative sealer (e.g. Mondéco systems):

Dilute the pre-mixed product 1:1 by weight with clean water to ensure the correct application viscosity.

The diluted Flowseal PU Satin is applied at approx. 0.05 - 0.08 kg/m² for 1 coat (dependant upon the substrate profile). Please see Flowcrete specifications for suitability and further details.

Flowseal PU Satin must be distributed evenly in consistent layer thickness, not exceeding 100µ, to ensure a consistent bubble-free finish. Use a paint tray, a short pile mohair or foam roller (avoid using rollers containing loose fibres i.e. be fluff free) and finish within five minutes of applying to the floor.

Do not pour product directly on to the substrate.

Application temperature and humidity

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 24hrs after application.

Ambient humidity should be between 30 and 70% RH during application and cure.

Working time/pot life

Ready-mixed product should be used within 40 minutes at a temperature of 20°C.
At higher temperatures the application time is shorter.

Curing time (at 20°C, 50% RH)

Tack free after 8 hours, can be overcoated after 16 hours.
Maximum overcoat time 24 hours
Can be walked on after 16 hours.
The product is fully hardened after 5 - 7 days.

Good ventilation and the correct humidity are prerequisites to achieve the above drying times.
Ambient humidity should be between 30 and 70% RH during application and cure.
High humidity in the early stages of cure can result in extended cure times.
Do not cover or wash within the first 48 hours of curing.

Colours

Clear

Solids content

Approx. 38% (by weight)

Finish

Clear satin/matt.

Density

Component A approx. 1.04 kg/litre.
Component B approx. 1.15 kg/litre.
A+B approx. 1.06 kg/l.

Storage

6 months in unopened pack.
Storage temperature between 5°C and 30°C. Protect from frost.
Protect from weather and moisture/contaminant ingress.

Packaging

The product is delivered A+B in the following packs.

Unit	Flowseal PU Satin Base A	Flowseal PU Matt/Satin/Gloss Hardener B
4.6 kg (4.4 litres)	3.8 kg	0.8 kg

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