Flowseal PU Anti-Stain

Product sheet

Product description

A 2-component polyurethane-based sealer with a satin matt finish.
30 – 35% Specular gloss at 60° measurement angle.

Uses

Used as a protective coating for Flowcrete screeds, toppings and third party resilient floorings. Use on flooring surfaces to help withstand discoloration due to staining from products such as hair colorants, coloured disinfectants, etc. Particularly suitable for Hairdresser's salons, and medical areas. The product will resist rubber marking due to migration of plasticizer from the rubber compound (e.g. tyre marking).

Note: Contact Flowcrete Technical Department to clarify suitability with specific safety floor coverings prior to use, i.e. surfaces with a distinct structural pattern/knobbed floorings.
This product is not suitable for conductive floorings if conductivity is to be maintained.

Environment & Health

The Hardener contains isocyanates, 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 parts of component A are mixed with 1 part of component B, by weight.

Preparation

Any underfloor heating should be turned off well in advance of the application and allowed to cool.

The existing flooring must be thoroughly cleaned and dry prior to sealing. The surface should be stripped of all dust, grease, oil, wax and care product residues (e.g. floor polishes) using a single disc rotary appliance fitted with a new grey PU-renovation pad. If the flooring is treated with a removable protective factory finish, the finish must also be removed completely.

For subsequent surface renewal, abrade and matt down the existing Flowseal PU Anti-Stain with a new grey PU-renovation pad (50 to 100 m^2 /pad) to achieve adhesion.

Mixing of components

Thoroughly shake the Base and Hardener components prior to mixing. Decant all of the Base A component into a suitable mixing vessel and then add all of Hardener B. Mix with a slow speed drill and helical spinner, taking care to minimise air entrainment. Allow to stand for 10 minutes (induction time) before use.

Application

Distribute evenly in consistent layer thickness, not exceeding 100µ, to ensure a consistent bubble-free finish. Use a paint tray, a short pile high quality microfiber roller (avoid using rollers containing loose fibres i.e. must be fluff free e.g. Aquatop 10 mm roller) and finish within five minutes of applying to the floor. Do not pour product directly on to substrate and avoid ponding.

After allowing the surface to dry (at least 2 hours, but within the same day) a second application can be made. Consumption approx: 0.1 kg/m^2, total for two coats.

Note: If working in an area with a large window or light source, start at that point and work away, using the light cast from behind to aid even and complete application.
For best results apply two coats; the first should be applied in one direction e.g. north to south and the second coat at 90° to the first e.g. east to west.

Application temperature and humidity

The recommended substrate and air 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 10°C in the 24hrs after application.
Ambient humidity should be between 30 and 75% RH during application and cure.

Working time/pot life

Ready-mixed product **must** be used within 1 hour at a temperature of 20°C.
At higher temperatures the application time is shorter.
Ensure there is sufficient ventilation, but avoid drafts and direct sunlight during the application and drying process.

Curing time (at 50% RH)	**20°C**	**Overcoat times**	**20°C**
Light foot traffic	12 - 14 hours	Minimum	2 hours
Full traffic	2 - 3 days	Maximum	8 hours
Full chemical cure	7 days		

Good ventilation and the correct humidity are prerequisites to achieve the above drying times.
Ambient humidity should be between 30 and 75% 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 7 days of curing.

Note: Surface contamination with coloured disinfectant or colour pigmented products must be removed within 30 minutes to prevent staining. Severe mechanical damage can accelerate wear or damage to the sealant film.

Solids content

Approx. 38% (by weight)

Density

Component A approx. 1.03 kg/litre.
Component B approx. 1.09 kg/litre.
A+B approx. 1.04 kg/litre.

Storage

12 months in unopened pack when stored at 5°C to 25°C in original unopened containers.
Protect from frost, weather and moisture or contaminant ingress.

Packaging

The product is delivered A+B in the following pack:

Unit	Flowseal PU Anti-Stain Base A	Flowseal PU Anti-Stain Hardener B
(5 litres)	2 x 2 litres	2 x 500 ml (0.5 L)

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