Satin Seal (WB)

Satin Seal (WB) is a 2-component, high solids, UV light stable, water based polyurethane sealer which provides a satin finish.

Uses

Typically used as a final seal coat for Flowcrete decorative systems. This will provide a colour stable, high abrasion and UV light stable satin finish. Can be used as a seal coat applied directly onto honed and polished concrete.

Environment & Health

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.

UV Light Stable:

Provides excellent colour stability when exposed to UV light. Non-Yellowing.

Easy to Use:

Easy to apply, roller application. Can be used internally and externally. Pre-formulated - no matting agent required.

Bond Strength:

Provides excellent adhesion to most prepared substrates including honed or polished concrete.

Packaging

The product is supplied in full units as A+B.

Base A	3.17kg	
Hardener B	0.83kg	
Kit Size	4kg	3.64 Ltr

Standard Coverage Rates

First Coat	0.125kg/m²	0.13 Ltr/m²
Second Coat	0.125kg/m²	0.13 Ltr/m²

*A minimum of 2 coats should be applied over unsealed concrete.
*The above coverage rates are based on concrete prepared to a maximum 80 mesh diamond grind.

Curing Times (at 20°C)

Min Overcoating	8 hours
Max Overcoating	24 hours
Foot Traffic	16 hours
Vehicular Traffic	48 hours
Full Chemical Cure	7 days

*Full chemical resistance is achieved after 5-7 days.
** Do not cover or wash within the first 36 hours of curing.

Additional Information

VOC Content	< 50 g/L
Density	Approx 1.10 kg/l (combined)
Solids Content	Approx 42% (by weight)
Finish	Smooth or Non-Slip Satin Finish
Colour	Clear

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place.

Coving

Please refer to Flowtex F1 Coving Mortar for further information.

Version 10 11.2019 IO

Storage

Time	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Mixing

The product is supplied in full units as A+B packs. Pack components are pre-weighed for optimum performance. If packs are to be proportioned this must be completed using digital scales.

Pre-mix the Base A to re-disperse any settlement. Add all of the Hardener B to Base A and mix with a slow speed drill and helical spinner head for 90 seconds, taking care not to entrain air.

Solvent

Solvent should not be added to the Satin Seal (WB). Clean water may be added if required depending on viscosity of material up to 10%.

Application Temperature

The recommended material and substrate temperature is 15 - 35°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.

Application / Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter.

Decant mixed product into smaller quantities if applying small/detailed areas.

Application Method

The product should be applied using a high quality 10-12mm nap lambswool roller. Do not use Microfibre.

The material can be applied from a paint roller tray or poured directly onto the concrete and rolled. Only mix the required amount, keeping in mind the pot life of the material (approx 30 minutes at a temperature of 20°C.)

Apply the material evenly across the floor, rolling in a north/south direction, ensuring the wet edge is maintained. Finish by rolling east to west in one direction only.

Cleaning

Tools and equipment can be cleaned with MEK/Acetone/Xylene. Please refer to SDS when using solvents.

Additional Notes

1. Maximum overcoat time is 24 hours at 20°C. *At higher temperatures this can be significantly reduced dependant on ambient and substrate temperature and UV index. Material should not be applied when substrate temperature is above 40°C. Consult Flowcrete for further information.
2. Do not cover or wash within the first 24 hours of curing.
3. This system should have no contact with water for 5 days at 22°C or blooming may occur.
4. This system should be installed at 3°C above the dew point.
5. A low temperature/high humidity environment can cause blooming issues.
6. Please ensure application temperature and RH limits are followed.
7. Wind or strong airflow may cause quick curing and drying of the system.
8. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed. Direct heat during application of the system can cause flash curing and potential delamination.

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9. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

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