

Flowcoat SC

Flowcoat SC is a medium viscosity, solvent free epoxy resin based on advance resin technology.

Uses

Is a general purpose epoxy resin typically used to fill and level minor imperfections within concrete substrates.

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.



Multipurpose:

Can be used for a variety of different applications.



Advanced Technology:

Formulated using advanced resin technology to provide high performance floor finishes.



Easy of Use:

The formulated resin provides excellent application properties.

Packaging

The product is supplied in full units as a 3 component pack.

Universal Resin GP	20 kg	18.2 Ltr
Universal Hardener GP	8.6 kg	8.2 Ltr
Silica Flour 100G	25 kg	15.6 Ltr

Standard Mix Ratios

General Purpose Resin	Mix Ratio kg	Mix Ratio Ltr
Universal Resin GP	2.32 kg	2.1 Ltr
Universal Hardener GP	1 kg	0.95 Ltr
Silica Flour 100G	2.32 - 4.32kg	1.45 - 2.7 Ltr

Curing Times (at 20°C)

Min Overcoating	8 hours
Max Overcoating	24 hours
Foot Traffic	24 hours
Vehicular Traffic	72 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

Density	Approx 1.6 kg/l (combined)
Solids Content	Approx 100% (by weight)

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination.

Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

Surface Preparation

Concrete should be finished by steel trowel. Surface preparation is to be completed by totally enclosed light shot blasting (please

note this may leave track and blast lines which will not be covered) or diamond grinding to a minimum CSP2 prior to any coating application. For proper methods, refer to ICRI's Technical Guideline No. 03732. All cementitious laitance must be removed to expose a sound substrate and provide a dry, dust free, open textured surface. All hard to reach areas and areas around the perimeter must be prepared using hand held preparation equipment. Any damaged areas must be repaired with Flowtex F1 mortar. Consult Flowcrete prior to using an alternative repair mortar. Any rough or uneven areas must be made smooth with Flowcoat SC (Universal Resin Base A, Universal Hardener B, Sand/Flour).

Mixing

Stir Base A to re-disperse any settlement. Decant required amount of Base A into a clean container by weight using digital scales.

Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 60 seconds, taking care not to entrain air. Add Filler C to achieve the desired consistency. Mix until uniform.

Application Method

The surface must be dry before the application of Flowcoat SC. Immediately after mixing, apply the Flowcoat SC by steel trowel. The material should be worked into the surface to fill the imperfections in the concrete substrate. Care should be taken to remove any trowel marks. Depending on the subsequent toppings, the Flowcoat SC may be broadcast with graded quartz to improve the filling of the imperfections. This layer is typically diamond ground after curing before applying further toppings.

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.

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

Refer to appropriate system Technical Data Sheet.

Cleaning

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

Additional Notes

1. Please refer to the appropriate product Technical Data Sheet. The Product Data Sheet, Technical Data Sheet and Safety Data Sheet must be read in conjunction with one another.
2. Maximum overcoat time is 24 hours at 20°C.

3. The product has reached full chemical cure after 7 days at 20°C.
4. The applied colours may differ from the examples shown.
5. Light and vibrant colours may require additional coats to achieve desired results.
6. Flowcrete assumes no responsibility for the application of incorrect colour.
7. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
8. It is recommended that top coat colours match base coat colours to achieve desired results.
9. This system is not UV stable and will discolour unless otherwise stated.
10. This system should have no contact with water for 5 days at 20°C or blooming may occur.
11. This system should be installed at 3°C above the dew point.
12. A low temperature/high humidity environment can cause blooming issues.
13. Please ensure application temperature and RH limits are followed.
14. Wind or strong airflow may cause quick curing and drying of the system.
15. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
16. Direct heat during application of the system can cause flash curing and potential delamination.
17. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
18. The specific slip test rating (P0-P5 range) noted in this document is based on the system design, products listed, coverage rates and specific aggregate outlined in this document. This slip test rating can and will change if the standard specification details or installation methods are altered in any way. The specific slip rating (P0-P5 range) noted in this document is based on 96 Rubber slide testing on level non-inclined surfaces. Applicators should refer to methods outlined in AS4586-2013 and SA HB 198:2014.