Flowcrete
for the world at your feet

Flowcoat SK CR

Flowcoat SK CR is a durable, coloured, solvent free epoxy resin-based flooring solution with excellent resistance to hydraulic fluids and Skydrol®.

Uses

Typically used in industrial environments which may be subjected to chemical spillages. Can be used as a stand-alone coating or as part of Flowcrete's resin flooring systems.

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.

Chemical Resistant:
Provides enhanced resistance against a range of chemicals.

Low Maintenance:
Seamless, hygienic finish, which requires low maintenance.

Durable:
Hard wearing and durable finish.

Packaging

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

Base A	7.232 kg	
Hardener B	1.651 kg	
Epoxy Pigment	0.7 kg	
Kit Size	9.58 kg	6.6 Ltr
PreTinted Flowcoat SK CR		
PreTinted Base A	7.932 kg	
Hardener B	1.651 kg	
PreTinted Kit Size	9.58 kg	6.6 Ltr

Standard Coverage Rates

Flowcoat SK CR 0.3mm Smooth Finish		
First Coat	0.2kg/m²	7m²/Ltr
Second Coat	0.2kg/m²	7m²/Ltr
Flowcoat SK CR 0.35mm Light Non Slip Finish		
First Coat	0.2kg/m²	7m²/Ltr
Second Coat	0.2kg/m²	7m²/Ltr
Non Slip Aggregate*	0.01kg/m²	-
Flowcoat SK CR 1.5mm Non Slip Finish		
First Coat	0.25kg/m²	5.5m²/Ltr
Non Slip Aggregate	2kg/m²	-
Second Coat	0.55kg/m²	2.6m²/Ltr
*Refer to Technical Data Sheet.		

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 acheived after 5-7 days.
** Do not cover or wash within the first 36 hours of curing.

Version 1.1 241126 AT

Additional Information

VOC Content	24 g/L Complies with Green Building Council of Australia Green Star Design & As Built V1.2-13.1.1B Green Star Interiors V1.2-12.1.1B
Density	Approx 1.45 kg/l (combined)
Solids Content	Approx 100% (by weight)
Finish	Smooth, Light Non Slip, Non-Slip Gloss Finish
Colour	Refer to Flowcoat SK CR TDS

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.

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). If above 75% RH please contact Flowcrete.

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).

Coving

Please refer to Flowtex F1 Coving Mortar for further information.

Mixing

Please refer to appropriate Flowcoat SK CR Technical Data Sheet as per required specification.

Solvent

Solvent (Xylene / MEK / Acetone) may be added to aid application properties if required. Add between 2% and 7% solvent (depending on temperature and material viscosity) of Xylene, MEK or Acetone to assist with the application properties.

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.

Version 1.1 241126 AT

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Application Method

Please refer to appropriate Flowcoat SK CR Technical Data Sheet as per required specification.

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.
2. The product has reached full chemical cure after 7 days at 20°C.
3. The applied colours may differ from the examples shown.
4. Light and vibrant colours may require additional coats to achieve desired results.
5. Flowcrete assumes no responsibility for the application of incorrect colour.
6. 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.
7. It is recommended that top coat colours match base coat colours to achieve desired results.
8. This system is not UV stable and will discolour unless otherwise stated.
9. This system should have no contact with water for 5 days at 20°C or blooming may occur.
10. This system should be installed at 3°C above the dew point.
11. A low temperature/high humidity environment can cause blooming issues.
12. Please ensure application temperature and RH limits are followed.
13. Wind or strong airflow may cause quick curing and drying of the system.
14. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
15. Direct heat during application of the system can cause flash curing and potential delamination.
16. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.
17. 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

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