Flowcrete
for the world at your feet

Flowcoat SK (0.35mm)

A light non-slip, solvent free, high build epoxy resin based coating with excellent resistance to hydraulic fluids and Skydrol®.

Typically used as a durable coloured floor coating in internal aviation environments.

Chemical Resistant:
The coating provides high chemical resistance in aviation environments.

Attractive:
Brightens up dull, dark and musty industrial environments.

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

Abrasion Resistant:
Hard wearing, durable and abrasion resistant coating.

Technical Profile

FIRE RESISTANCE			
EN 13505-1	Bfl-s1		
SLIP RESISTANCE			
Method described in AS4586-2013	Dry & Wet Rating is dependant on specification (in accordance with AS4586-2013)		
The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details			
TEMPERATURE RESISTANCE			
Tolerant up to 60°C			
WATER PERMEABILITY			
Karsten Test	Nil (Impermeable)		
SURFACE HARDNESS			
Koenig Hardness Test	180secs		
BOND STRENGTH			
ASTM D4541 (Pull-Off Test)	>1.5MPa*		
ABRASION RESISTANCE			
Taber Abrader BS8204-2 1kg load using CS10 wheels	80mg loss per 1000 cycles Grade AR2		
COMPRESSIVE STRENGTH			
BS6319	>60 N/mm²		
FLEXURAL STRENGTH			
BS6319	>40 N/mm²		
TENSILE STRENGTH			
BS6319	>15 N/mm²		
CHEMICAL RESISTANCE			
Contact Technical Department			
SPEED OF CURE**	**10°C**	**20°C**	**30°C**
Light Traffic	48 hrs	24 hrs	18 hrs
Full Traffic	72 hrs	48 hrs	36 hrs
Full Chemical Cure	12 days	7 days	6 days

These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity. Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet/dry). Please contact our Technical Advisers for further details.

Light N Grey | Steel Grey | Charcoal | Tile Red

Light Green | Dark Green | Steel Blue | Mid Blue

The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local Flowcrete office.

Version 1.1 19.04.2018

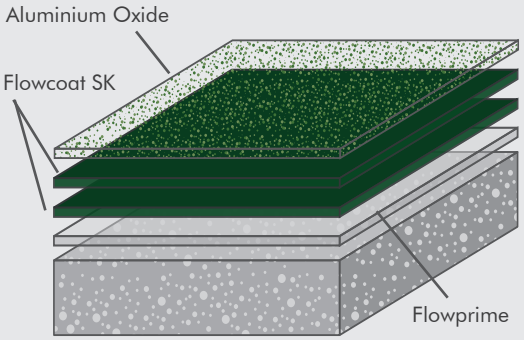
FeRFA The Resin Flooring Association

Model Specification

System	Flowcoat SK
Finish	Gloss
Thickness	0.35mm
Manufacturer	Flowcrete Australia Pty Ltd
Contact	+ 61 7 3205 7115

Preparatory work and application in accordance with manufacturer's instructions.

System Design



Products Included In This System

Layer 1	Flowprime *If Required
Layer 2	Flowcoat SK
Layer 3	Flowcoat SK
	Aluminium Oxide

Coving

Coving can form an integral part of the flooring system. It creates a sealed finish between the floor and wall joint. Please refer to Flowtex F1 Coving Mortar for further information.

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).

Installation Service

The installation should be carried out by a qualified contractor with a documented quality assurance scheme. For details of our recommended contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture of the products by Flowcrete staff.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent. Please refer to Flowcrete's Cleaning & Maintenance Guide for further information.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

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Email: australia@flowcrete.com

Method Statement

System	Flowcoat SK
Specification	0.35mm Light Non Slip Gloss Finish

This specification assumes a concrete compressive strength greater than 25 N/mm², application and curing temperatures of 10–35°C, the presence of an effective damp proof membrane below substrate and concrete moisture content less than 75% RH. If moisture content is above 75% RH, please contact Flowcrete Australia.

This specification must be read in conjunction with relevant product technical data sheets and the application of all materials is to be strictly in accordance with manufacturer's instructions.

Manufacturer	Flowcrete Australia Pty Ltd
Address	Unit 2, 41 Deakin Street
Suburb	Brendale
State	QLD
Postcode	4500
Telephone	+61 7 3205 7115
Email	australia@flowcrete.com

Outline for Installation

Mechanically Prepare Substrate	
Apply Flowprime *If Required for Porous Surfaces Only	@ 0.2kg/m²
Apply Flowcoat SK	@ 0.2kg/m²
Apply Flowcoat SK	@ 0.2kg/m²

Storage

12 months in an unopened packaging stored at a temperatures of 5-40°C.

Protect from frost, weather, moisture and contaminant ingress.

Application Equipment

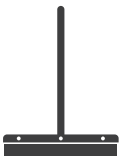
The use of correct application equipment is critical as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work.

The following equipment is recommended for this application.

10-12mm Nap Roller Cover - Lambswool *Rolana or Equivalent

Spike Shoes

Slow Speed Drill with Helical Mixer Head



Squeegee

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Safety Precautions

Wear appropriate Personal Protective Equipment (PPE) including masks, gloves, eye protection and protective clothing during mixing and application. Ensure the working area is well ventilated and follow the appropriate Health and Safety guidelines applicable to the location where the application is undertaken.

Material Set-Up

Before commencing work ensure that your material is set-up by separating all components (e.g. Base A, Hardener B, Filler C etc.) to ensure that all material is correct. Check product labels and ensure there are equal amounts of product.

Site Set-Up

Before commencing work ensure that your site is set-up. Mark the floor according to the specification with masking tape or similar to clearly identify what area (m^2) each unit will cover. If this is not achieved (greater or less consumption than the specified amount) immediately stop and contact Flowcrete.

Surface Preparation

Surface preparation is to be completed by totally enclosed (light shot blasting) or course diamond grinding. 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). Consult Flowcrete prior to using an alternative epoxy scratch coat.

Application of Flowprime.

The substrate must be surface dry before the application of Flowprime.

1. Mixing Flowprime

Pack components are pre-weighed for optimum performance. Decant required amount of material by weight using digital scales.

Stir Base A to re-disperse any settlement. Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 1 minute, taking care not to entrain air. Transfer to a clean container and remix for 30 seconds.

2. Application

Immediately after mixing, apply the Flowprime by squeegee and/or roller.

Application of Flowcoat SK

The substrate must be surface dry before the application of Flowcoat SK. Flowcoat SK must be applied within 24 hours following the application of Flowprime.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if required this must be completed by weight using digital scales.

Stir Base A to re-disperse any settlement. Add Pigment (if supplied separately) and mix until uniform. Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 90 seconds, taking care not to entrain air. Add between 2 - 7% (depending on conditions) Xylene and mix for a further 30 seconds.

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2. Application

Immediately after mixing, apply the Flowcoat SK by squeegee and/or roller. Allow to cure.

Application 2nd Coat of Flowcoat SK

The substrate must be surface dry before the application of Flowcoat SK. Flowcoat SK must be applied within 24 hours following the application of 1st Coat of Flowcoat SK.

1. Mixing

Pack components are pre-weighed for optimum performance. We recommend that you do not split or proportion packs, however, if required this must be completed by weight using digital scales.

Stir Base A to re-disperse any settlement. Add Pigment (if supplied separately) and mix until uniform. Add Hardener B to the Base A container, and drain thoroughly. Mix with a slow speed drill and helical spinner head for 90 seconds, taking care not to entrain air. Add between 2 - 7% (depending on conditions) Xylene and mix for a further 30 seconds. Add 5% 60 Mesh White Aluminium Oxide and mix for a further 1 minute.

2. Application

Immediately after mixing, pour a small amount of Flowcoat SK material onto the floor and roll out evenly. Remix the product in between pours to ensure the aluminium oxide is suspended in the mix. Allow to cure.

Trafficking

Allow to cure for a minimum of 24 hours at temperatures no less than 10°C before light trafficking.

Note

When printed or saved externally, this document is uncontrolled and therefore may not be the latest version. Any recommendation or suggestion relating to the use of the products made by Flowcrete Australia Pty Ltd., whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

Additional Notes

1. Maximum overcoat time is 24 hours.
2. The product is fully hardened after 5–7 days.
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 recommended that top coat colours match base coat colours to achieve desired results.
7. This system is not UV stable and will discolour unless otherwise stated.
8. Do not cover or wash within the first 24 hours of curing.
9. This system should have no contact with water for 5 days at 22°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. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

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