Deckshield UV (WB)

Deckshield UV (WB) is a high solids, 2-component, water based, aliphatic, clear, UV light stable, polyurethane coating.

Uses

Used as a clear coat over Flowcrete's decorative Terrosso flooring systems and for sealing of cementitious substates. This will provide a colour stable, low VOC, abrasion resistant gloss finish.

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.

Easy to Use:
Easy to apply, roller application.

Low VOC:
Compliant with Green Star Design & As Built V1.2-13.1.1B, Green Star Interiors V1.2-12.1.1B

Packaging

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

Base A	7.839kg	6.93Ltr
Hardener B	2.161kg	1.93Ltr
A+B Kit Size	10kg	9Ltr

Standard Coverage Rates

Over Concrete		
First Coat	0.12kg/m^2	9.25m^2/Ltr
Second Coat	0.12kg/m^2	9.25m^2/Ltr
* Above rates based on 80 grit diamond ground concrete.		

Standard Coverage Rates

Over Flowcrete Terrosso Flake		
First Coat	0.2kg/m^2	5.5m^2/Ltr
Second Coat	0.2kg/m^2	5.5m^2/Ltr

Curing Times (at 20˚C)

Min Overcoating	8 hours
Max Overcoating	24 hours
Foot Traffic	16 hours
Full Traffic	48 hours
* See additional notes.	

Additional Information

VOC Content	15 g/L
Solids Content	Approx 65%
Finish	Gloss
Colour	Clear

Density

Base A	Approx 1.13kg/Ltr
Hardener B	Approx 1.12kg/Ltr
A + B	Approx 1.11kg/Ltr

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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. 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.

Water

Water may be added to aid application properties if required. Add between 2% and 7% (depending on temperature and material viscosity) of water to assist with the application properties.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm^2, 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.

Coving

Please refer to Flowtex F1 Coving Mortar for further information.

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

Please refer to Deckshield UV WB Technical Data Sheet as per required specification.

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 35°C. Consult Flowcrete for further information.
2. The product has reached full chemical cure after 7 days at 20°C.
3. Do not cover or wash within the first 24 hours of curing.
4. This system should have no contact with water for 5 days at 20°C or blooming may occur.
5. This system should be installed at 3°C above the dew point.
6. A low temperature/high humidity environment can cause blooming issues.
7. Please ensure application temperature and RH limits are followed.
8. Wind or strong airflow may cause quick curing and drying of the system.

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9. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
10. Direct heat during application of the system can cause flash curing and potential elimination
11. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.

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