

Deckshield ED (2.5mm)

Deckshield ED is a low VOC, solvent free, flexible, crack-bridging, waterproof polyurethane car park deck coating.

Typically used to cosmetically enhance and protect external and multi-storey car parks.



UV Light Stable:

100% UV light stable and resistant, non yellowing.



Crack-Bridging:

Conforms to UNE-EN 1062-7:2004 Method B - B.3.2



Chemical Resistant:

Excellent resistance to engine oil, battery acid, fuel and hydraulic fluid.



Waterproof:

Water resistant and waterproof trafficable deck coating system.

Technical Profile

FIRE RESISTANCE

EN 13501-1

B_{FL} - 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

Softens over 70°C

Hardens on Cooling

WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

RESISTANCE TO CHLORIDE IONS

DOT BD47/94: Appendix B Method B4, 2 (d)

No chloride ion penetration after 28 days.

BOND STRENGTH

ASTM D4541 (Pull-Off Test)

> 1.5MPa*

ABRASION RESISTANCE

Taber Abrader

300mg loss per 1000 cycles
1kg load using CS17 wheels

CRACK-BRIDGING

BS EN 1062-7 Method B1

0.5mm

UV LIGHT RESISTANT

Excellent - Non Yellowing

SPEED OF CURE**

10°C

20°C

30°C

Light Traffic

30 hrs

18 hrs

12 hrs

Full Traffic

36 hrs

48 hrs

24 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.

*Assume concrete or substrate is a minimum of 25 N/mm².



Light N Grey



Steel Grey



Charcoal



Tile Red



Light Green



Dark Green



Steel Blue



Mid Blue

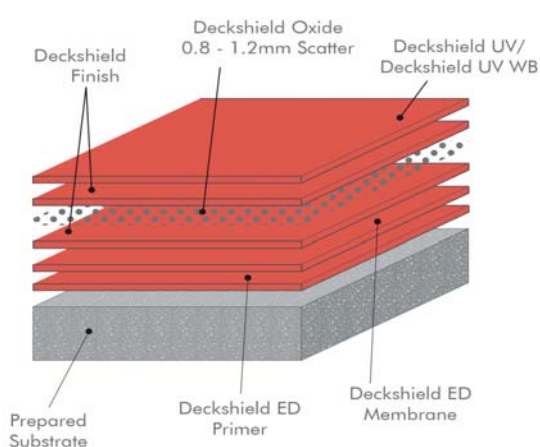
The applied colours may differ from the examples shown.
For a full colour chart and samples, contact your local Flowcrete office.

Model Specification

System	Deckshield ED
Finish	Textured
Thickness	Dependant on Specification
Manufacturer	Flowcrete
Contact	+61 7 3205 7115

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

System Design



Products Included In This System

Layer 1	Deckshield ED Primer
Layer 2	Deckshield ED Membrane
Layer 3	Deckshield Finish
	Deckshield Oxide 0.8-1.2mm
Layer 4	Deckshield Finish
Layer 5	Deckshield UV/UV WB

Coving

Coving forms 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.

Version 1.0 [21/02/17]

Flowcrete Australia Pty Ltd
 Unit 2 41 Deakin Street Brendale QLD 4500 Australia
 Tel: +61 7 3205 7115 Fax: +61 7 3205 3116
 Unit 1 12 Blackmore Road Smeaton Grange NSW 2567 Australia
 Tel: +61 2 4648 0397 Fax: +61 2 4648 0719
 Email: australia@flowcrete.com

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 95% RH as per BS8204. The system is designed to cope with construction moisture but is not designed to resist hydrostatic water pressure. In such circumstances external tanking or pressure relief, by e.g. directed drainage, must be provided to the structure. Should not be applied if there is an existing sub-slab DPM.

Installation Service

The installation should be carried out by a experienced 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 and application of the products by Flowcrete staff and fully trained application teams.

Aftercare, Cleaning & Maintenance

Please refer to Flowcrete Australia's current Cleaning and Maintenance Recommendations Guide.

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.

- N.B.
1. Light colours may require additional coats to achieve desired results.
 2. Flowcrete assumes no responsibility for the application of incorrect colour.
 3. It is recommended that top coat colours match base coat colours to achieve desired results.
 4. This product is not UV stable and will discolour unless otherwise stated.
 5. Technical Data Sheet to be read in conjunction with Method Statements and Product Data Sheets.

www.flowcreteaustralia.com.au