

Deckshield ED

A low VOC, solvent free, flexible polyurethane coating providing a colourful crack bridging surface for exposed car park decks.

Cosmetically enhances top deck car parks, making them brighter and safer places to visit.



Environmentally Friendly:

Solvent free, low in VOCs and environmentally friendly.



Attractive:

Brightens up dull, dark, musty car parks and suspended floors.



UV Resistant:

100% UV light stable and does not yellow over time.



Slip Resistant:

Textured finish available to prevent slips and trips for car park users.



Chemical Resistant:

Excellent chemical resistance to engine oil, battery acid, fuel, etc.



Technical Profile*

FIRE RESISTANCE			
EN 13501-1	B ₁ - s1		
SLIP RESISTANCE**			
Method described in BS 7976-2 (typical values for 4-S rubber slider)		Dry >40, Wet depends on specification (in accordance with HSE and UKSRG guidelines)	
THERMAL RESISTANCE			
Softens over 70°C, Hardens on cooling			
CHEMICAL RESISTANCE			
Contact Technical Department. Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.			
ABRASION RESISTANCE			
Taber Abrader (1 kg load using CS17 wheels)		300 mg loss per 1000 cycles	
RESISTANCE TO CHLORIDE IONS			
DOT BD47/94: Appendix B, Method B4,2(d).		No chloride ion penetration after 28 days	
CRACK BRIDGING			
BS EN 1062-7 Method B1		0.5mm	
CAPILLARY ABSORPTION & PERMEABILITY TO WATER			
EN 1062-3		w <0.1 kg/m ² x h ^{0.5}	
BOND STRENGTH			
Greater than cohesive strength of 25 N/mm ² concrete. > 1.5 MPa			
UV LIGHT RESISTANCE			
Excellent (Non-yellowing)			
SPEED OF CURE	10 °C	20 °C	30 °C
Light Traffic	30 h	18 h	12 h
Full Traffic	48 h	36 h	24 h
Full Chemical Cure	12 d	7 d	6 d

* These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

**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 and specifications.

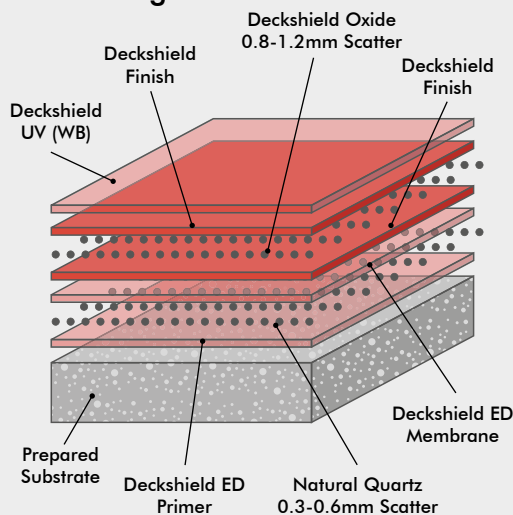
For a full colour chart and samples, contact your local Flowcrete office.

Model Specification

System	Deckshield ED
Finish	Textured
Thickness	Dependant on specification
Manufacturer	Flowcrete Asia

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

System Design



Products Included In This System

Primer	Deckshield ED Primer
Sand Scatter	Natural Quartz 0.3 - 0.6mm
Membrane	Deckshield ED Membrane
Basecoat	Deckshield Finish
Sand Scatter	Deckshield Oxide 0.8 - 1.2mm
Finishing Coat	Deckshield UV (WB)

Detailed application instructions are available upon request.

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 licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact our customer service team or enquire via our website at www.flowcreteasia.com

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, maintenance and cleaning. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Note

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.

No resin system is totally colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

Further Information

To ensure you are specifying a fit-for-purpose floor, please consult our Technical Advisors or visit our website to register your interest in specifying one of the most durable floors on the market.

1. Light colours may require additional coats to achieve desired results 2. It is recommended that top coat colours are close to base coats colours to achieve desired results
3. This product is not UV stable and may discolour unless otherwise stated 4. System Data Sheet to be read in conjunction with Method Statement and Product data Sheets.