

Deckshield ED



Standard Colour Chart



Forest Green



Tile Red



Ocean Blue



Light Blue



Goosewing Grey



Mid Grey



Dark Grey



Black

The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match.

Description

Deckshield ED is a low VOC, solvent free, flexible polyurethane car park deck coating system providing a colourful crack bridging, waterproof

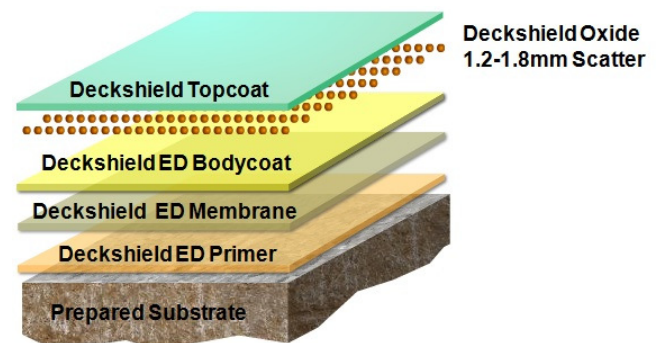
Uses

Deckshield cosmetically enhances and reduces noise, making exposed car park decks brighter, safer environments to visit. Deckshield is suitable for refurbishment of existing car parks or new construction projects.

Benefits

- Environmentally friendly/low VOC coating
- Aesthetically attractive – brightens up dull, dark, musty car parks
- Reduces noise – greatly reduces tyre squeal
- Hard wearing – high abrasion resistance
- Excellent chemical resistance to engine oil, battery acid, hydraulic fluid, fuel, etc.
- Fire resistant
- Slip resistant
- Resistant to cracking
- Excellent bond strength
- Fast track installation
- 100% UV light stable – non yellowing

System Design



Model Specification

Product: Deckshield ED system
Finish: Textured
Thickness: Dependant on specification
Preparatory work and application in accordance with manufacturer's instructions.

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. Should not be applied if there is an existing sub-slab DPM.

Products Included in this System

Deckshield ED Primer
Deckshield ED Membrane
Deckshield ED Bodycoat
Deckshield Oxide 1.2-1.8 mm
Deckshield Topcoat

Note: Alternative specifications are available for steep ramps and ramps with severe camber. Technical proposals are specifically written for each installation which may require substrate details and site survey report.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site 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.

Flooring Design Service

Special corporate colours and designs can be produced to special order.

Aftercare - Cleaning and Maintenance

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

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Fire Resistance	BS476: Part 3: Designated EXT.FF.AA
Slip Resistance	TRRL Pendulum Slip Test Dry >40 Wet >40 (low slip potential)
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	
Temperature Resistance	Softens over 70 °C, Hardens on cooling
Water Permeability	Nil- Karsten test (impermeable)
Chemical Resistance	Contact Technical Department.
Resistance to chloride ions	DOT BD47/94: Appendix B, Method B4.2(d). Result: No chloride ion penetration after 28 days
Tensile / Elongation N/mm ² /%	BS 2782:Part 3 Method 320A All samples heat aged at 70°C 1 day 5.4/50.4 7 day 7.15/40.2 28 day 7.17/30.5
Abrasion Resistance	Taber Abrader: 300 mg loss per 1000 cycles (1 kg load using CS17 wheels)
Crack Bridging	0.5mm (BS EN 1062-7 Method B1)
Tear Strength	29 kN/m (ASTM D624)
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 hrs 18 hrs 12 hrs
Full traffic	36 hrs 48 hrs 24 hrs
Full chemical cure	12 days 7days 6 days

Customer Service

For more information regarding this product please contact the manufacturer.

Manufacturer	Customer Service
Flowcrete Asia	+(603) 6277 9575
Flowcrete Hong Kong	+(852) 2795 0478
Flowcrete China	+86 10 8472 0488

Further Information

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

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