

Deckshield ED



Description

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

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.

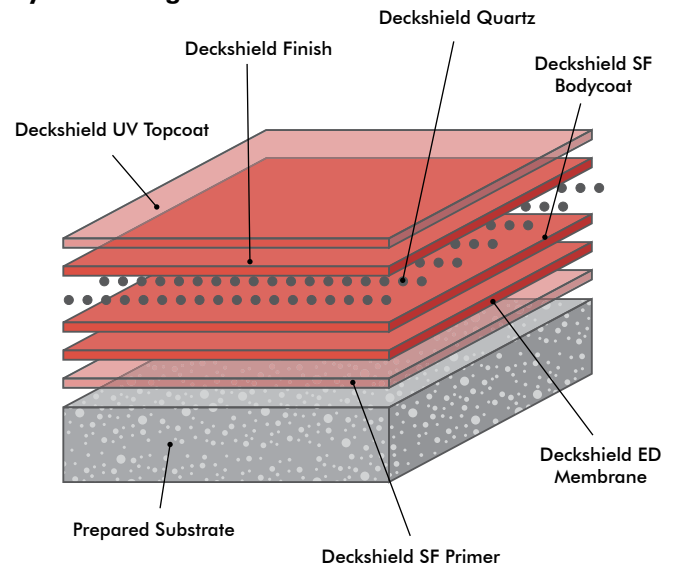
Benefits

- 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

Project References

Available on request.

System Design



Standard Colour Chart



Red



Light Blue



Blue



Green



Light Grey



Mid Grey



Dark Grey



Black

Model Specification

Product: Deckshield ED system
Finish: Textured
Thickness: Dependant on specification
Colour: _____
Preparatory work and application in accordance with suppliers instructions.
Manufacturer: Flowcrete Middle East FZCO
Telephone : Customer Service +971 4 886 4728

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 SF Primer
Deckshield ED Membrane
Deckshield SF Bodycoat
Deckshield Quartz
Deckshield Finish
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 website at www.flowcrete.ae

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 the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

Flooring Design Service

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

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: 300mg loss per 1000 cycles (1kg 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	48 hrs	36 hrs	24 hrs
Full chemical cure	12 days	7 days	6 days

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.

Further Information

To ensure you are specifying a fit for purpose flooring 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.