

Deckshield ID (Intermediate Deck)



Description

Deckshield ID is a Green Label certified, low VOC, solvent free, flexible polyurethane car park deck coating system providing a colourful watertight, hard wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors.

Uses

Deckshield cosmetically enhances and reduces noise, making multi-storey car parks and suspended floors brighter, safer environments to visit. Deckshield is suitable for refurbishment of existing car parks or new construction projects.

Benefits

- Green Label certified
- Low VOC
- Aesthetically attractive – brightens up dull, dark, musty car parks and suspended floors
- Reduces noise – higher textured finishes reduce tyre squeal
- Hard wearing – abrasion resistant
- Excellent chemical resistance to engine oil, battery acid, hydraulic fluid, fuel, etc.
- Fire resistant
- Slip resistant
- Resistant to hair line cracking
- Excellent bond strength
- Fast track installation
- 100% UV light stable – non yellowing (with aliphatic Deckshield UV WB as the topcoat)

Standard Colour Chart



Forest Green



HK Red



HK Ocean Blue



Light Blue



Dark Grey

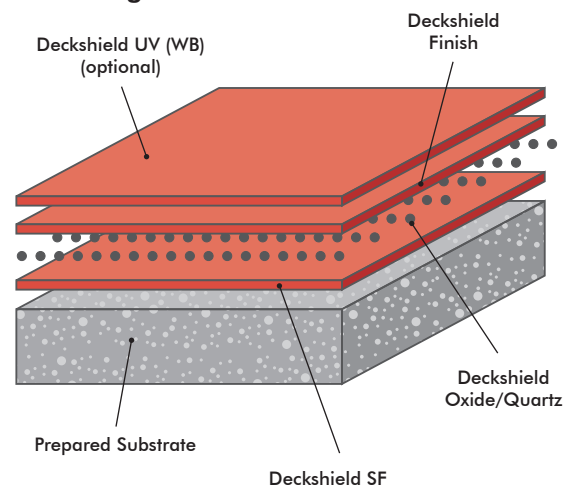


HK Mid Grey



Black

System Design



Model Specification

System: Deckshield ID
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 75% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Deckshield SF and fully blind with
Deckshield Quartz or Oxide
Deckshield Finish
Deckshield UV (WB) (optional)

Note: Alternative specifications are available for steep ramps and ramps with severe camber (please consult Flowcrete for further advice).

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.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 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.

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	B _{fl} - s1 (EN 13501-1)
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)
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.	
Temperature Resistance	Softens over 70°C, Hardens on cooling
Water Permeability	Nil - Karsten test (impermeable)
Chemical Resistance	Contact Technical Department. Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.
Resistance to Chloride Ions	DOT BD47/94: Appendix B, Method B4,2(d). Result: No chloride ion penetration after 28 days
Abrasion Resistance	0.1g loss per 1000 cycles (ASTM D4060) (1 kg load using CS17 wheels)
Bond Strength	Greater than cohesive strength of 25 N/mm ² concrete. >1.5 MPa.
VOC Content	Very Low < 20 g/L (ISO11890-2)
UV Light Resistance	Excellent (Include Deckshield UV WB topcoat)

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

Customer Service

For more information regarding this product please contact your local Flowcrete office:

Flowcrete Asia	+60 3 6277 9575
Flowcrete Hong Kong	+852 2795 0478
Flowcrete China	+86 10 8472 1912
Flowcrete Thailand	+66 2539 3424
Flowcrete Indonesia	+62 21 252 3201
Flowcrete Vietnam	+84 8 6287 0846

Visit our website for more locations.

Further Information

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