

## Deckshield ID Intermediate Deck (1.5 mm)



### Description

Deckshield ID is a flexible solvent free polyurethane car park deck coating system which provides a colourful crack bridging, waterproof wearing surface for intermediate decks of multi-storey car parks.

### Uses

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

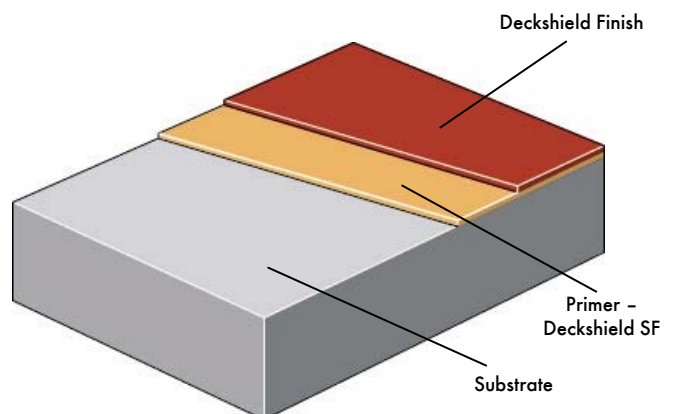
### Benefits

- Aesthetically attractive - brightens up dull, dark, musty car parks
- Reduces noise - stops tyre squeal
- Hard wearing - abrasion resistant
- Solvent free
- Can be used over existing asphalt substrates
- Fire resistant
- Slip resistant
- Resistant to cracking
- Excellent bond strength
- Fast track installation

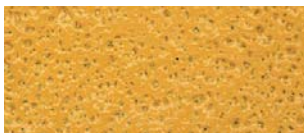
### Project References

Multi-storey car parks world-wide:- Kuala Lumpur International Airport; Istanbul Airport; Tsing Yi Car Park, Hong Kong; NCP; Tesco; Marks and Spencer and local authority car parks throughout the UK.

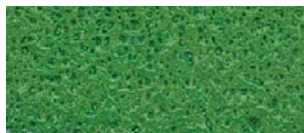
### System Design



### Standard colour chart



Arabian Yellow



Forest Green



Dark Grey



Tile Red



Mid Grey



Traffic Purple



Traffic Blue

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

## Model Specification

Product: Deckshield ID system.

Finish: Gloss

Thickness: 1.5 mm

Colour: \_\_\_\_\_

Preparatory work and application in accordance with manufacturers instructions.

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service - +44 (0) 1270 753000

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.

**NB:** Technical proposals are written for each installation to meet the client's particular requirements.

## Installation Service

The installation should be carried out by a Deckshield licensed contractor with a documented quality assurance scheme.

Obtain details of our licensed contractors by contacting our customer service team or enquiring via our web site [www.flowcrete.co.uk](http://www.flowcrete.co.uk)

## Note

Please contact our Technical Advisors for details of specialist companies to supply line-marking, which can be re-coated throughout the life of the Deckshield system.

Deckshield Finish is not 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 light colours and blues but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change. If UV resistance is a main requirement, Deckshield UV Topcoat should be used as the final or additional finish coat.

## Focus on the Floorzone

Flowcrete are market 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, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

## 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 for a model specification.

Fire Resistance BS476:Part 3: Designated EXT.F.AA

Slip Resistance Dry >40 low slip potential  
Method described in BS 7976-2 Wet >40 low slip potential  
(typical values for 4-S rubber slider) (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 Taber Abrader:  
40 mg loss per 1000 cycles  
(1 kg load using H-22 wheels)  
Tensile / Elongation BS2782:Part 3 Method 320A  
N/mm<sup>2</sup>/% 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

Tear Strength MOAT 27 Method 5.4.1  
Test Result = 192 N

Bond Strength Greater than cohesive strength of 25 N/mm<sup>2</sup> concrete. >1.5 MPa.

Complies with the requirements of ASTM C957.  
(Tests:- ASTM C501, C794, C836, D412, D471)

## Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	30 hrs	16 hrs	10 hrs
Full traffic	36 hrs	24hrs	16 hrs
Full chemical cure	12 days	7 days	5 days

## Aftercare - Cleaning and Maintenance

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

## 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.

## 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.