

## Deckshield IDSD Special Duty

A solvent free, flexible polyurethane traffic coating system that is designed to withstand the demands of busy car park ramps and turning circles.

Cosmetically enhances multi-storey car parks, making them brighter and safer places to visit.



### Environmentally Friendly:

Low in Volatile Organic Compounds and environmentally friendly.



### Attractive:

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



### Hard-Wearing:

Hard-wearing & abrasion resistant suitable for regular vehicle traffic.



### Slip Resistant:

Highly textured finish to provide a safe environment for vehicular ramp users.



### UV Resistant (optional):

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



Forest Green



HK Red



Light Blue



HK Ocean Blue



HK Mid Grey



Dark Grey



Black

The applied colours may differ from the examples shown.  
For a full colour chart and samples, contact your local Flowcrete office.



## Technical Profile\*

<b>FIRE RESISTANCE</b>			
EN 13501-1	B <sub>1</sub> - s1		
<b>SLIP RESISTANCE**</b>			
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)	
<b>THERMAL RESISTANCE</b>			
Softens over 70°C, Hardens on cooling			
<b>CHEMICAL RESISTANCE</b>			
Contact Technical Department. Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.			
<b>ABRASION RESISTANCE</b>			
ASTM D4060 (1 kg load using CS17 wheels)	0.1g loss per 1000 cycles		
<b>RESISTANCE TO CHLORIDE IONS</b>			
DOT BD47/94: Appendix B, Method B4.2(d).	No chloride ion penetration after 28 days		
<b>WATER PERMEABILITY</b>			
Nil - Karsten test (impermeable)			
<b>BOND STRENGTH</b>			
Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 1.5 MPa			
<b>VOC CONTENT</b>			
ISO11890-2	Very Low < 20 g/L		
<b>UV LIGHT RESISTANCE (WITH DECKSHIELD UV WB TOPCOAT)</b>			
Excellent (non-yellowing)			
<b>SPEED OF CURE</b>	<b>10 °C</b>	<b>20 °C</b>	<b>30 °C</b>
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.

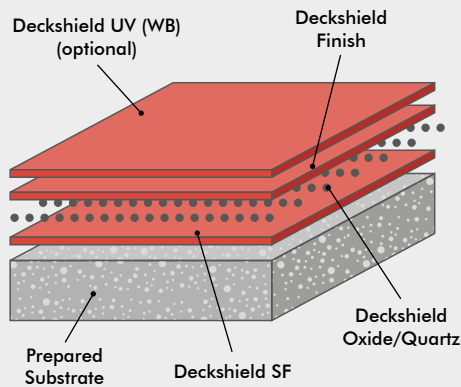
\*\*The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/or surface contaminants (wet or dry). Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

## Model Specification

System	Deckshield IDSD Special Duty
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 SF
Sand Scatter	Deckshield Quartz or Oxide
Basecoat	Deckshield Finish
Finishing Coat	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.

## 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 and free from rising damp and ground water pressure.

## 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](http://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.

## 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.