

## Deckshield ED Rapide

An MMA traffic coating system designed to create a colourful, watertight, hard wearing surface for exposed car park decks.

Deckshield ED Rapide has been developed to enable very fast application times.



### Fast Cure:

Dramatically reduces installations times due to a fast cure formulation.



### Attractive:

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



### UV Resistant:

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



### Slip Resistant:

Textured finish available to prevent slips and trips for car park users.



### Hard Wearing:

Protects substrates against the demands of heavy multi-flow traffic.



## Technical Profile\*

FIRE RESISTANCE	
EN 13501-1	C <sub>fl</sub> - s1
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)
CHEMICAL RESISTANCE	
Contact Technical Department. Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.	
ABRASION RESISTANCE (TOPCOAT)	
Taber Abrader (1 kg load using CS17 wheels)	300 mg loss per 1000 cycles
RESISTANCE TO CHLORIDE IONS	
DOT BD47/94: Appendix B, Method B4,2(d).	No chloride ion penetration after 28 days
CRACK BRIDGING	
BS EN 1062-7 Method A, Table 6	Class A3 (-20°C)
BOND STRENGTH	
Greater than cohesive strength of 25 N/mm <sup>2</sup> concrete. > 1.5 MPa	
SPEED OF CURE	
Light Traffic	1 h
Full Traffic & Chemical Cure	2 - 3 h

\* 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.

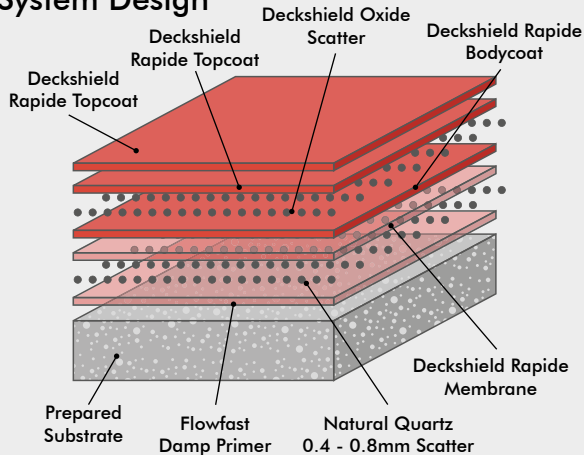
For a full colour chart and samples, contact your local Flowcrete office.

## Model Specification

System	Deckshield ED Rapide
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	Flowfast Damp Primer
Sand Scatter	Silica Quartz Scatter 0.4 - 0.8mm
Membrane	Deckshield Rapide Membrane
Basecoat	Deckshield Rapide Bodycoat
Sand Scatter	Deckshield Oxide 0.7 - 1.2mm
Finishing Coat	Deckshield Rapide Topcoat

**Note 1:** Alternative specifications are available for steep ramps and ramps with severe camber.

**Note 2:** The type of resin used and catalyst dosage are temperature dependant. Please consult Flowcrete for further advice.

**Note 3:** Technical proposals are specifically written for each installation which may require substrate details and site survey report.

Detailed application instructions are available upon request.

## Aftercare, Cleaning & Maintenance

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

## 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 95% RH as per BS8204. The system is designed to cope with construction moisture but is not designed to resist hydrostatic water pressure. In such circumstances external tanking or pressure relief, by e.g. directed drainage, must be provided to the structure. Should not be applied if there is an existing sub-slab DPM.

## 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.

## 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.

No resin system is totally 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 very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

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.