



## Deckshield Rapide ED (100 mils)

A fast cure MMA deck coating system for use on external or exposed decks of multi-story parking structures.

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**Fast Cure:**  
Accelerates cure time, providing a fully operational surface in just 60 minutes.
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**Slip Resistant:**  
Positively textured anti-slip surface minimizes slip and skid risks.
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**Chemical Resistant:**  
Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.
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**UV Resistant:**  
100% UV stable formulation available to prevent the surface from yellowing.
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**Noise Reducing:**  
Enhanced traction underfoot minimizes unpleasant noise from tire squeal.

### Standard Colors:



The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Key Resin Company office.

<b>COMPRESSIVE STRENGTH (SEALER):</b>			
ASTM C 579	11,600 psi		
<b>TENSILE STRENGTH (SEALER):</b>			
ASTM C 307	2,900 psi		
<b>FLEXURAL STRENGTH (SEALER):</b>			
ASTM C 580	4,350 psi		
<b>SLIP RESISTANCE:</b>			
(PTV) Method described in BS 7976-2 (typical values for TRRL rubber slider)	Dry: 80 Wet: 60* (slip profile)		
<b>ABRASION RESISTANCE (TOP COAT):</b>			
ASTM D 4060 CS17 Wheel, 1000 cycles	0.080g loss		
<b>IMPACT RESISTANCE:</b>			
ISO6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in		
<b>VAPOR PERMEABILITY:</b>			
Karsten Test	Nil (impermeable)		
<b>BOND STRENGTH:</b>			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
<b>FIRE RESISTANCE:</b>			
BS 476-3	Designated EXT.FAA		
<b>TEMPERATURE RESISTANCE:</b>			
Softens over 158°F, hardens on cooling			
VOC:	50 g/l		
<b>SPEED OF CURE:</b>	<b>32°F</b>	<b>70°F</b>	<b>90°F</b>
Light Traffic	60 mins	45 mins	45 mins
Full Traffic	90 mins	60 mins	60 mins
Full Chemical Cure	120 mins	90 mins	90 mins

  

Diagram labels: Deckshield Rapide Bodycoat, Quartz Broadcast, Deckshield Rapide Sealer, Prepared Substrate, Flowfast Standard Primer, Deckshield Rapide Membrane.

\* Typical value is dependant on aggregate used.

## Products Included In This System

<b>Primer:</b>	Flowfast Standard Primer at 80 - 130 sq ft/gal Deckshield Rapide Membrane as a
<b>Banding:</b>	band to cracks, floor-wall interfaces etc. (optional)
<b>Membrane:</b>	Deckshield Rapide Membrane at 40 sq ft/gal Deckshield Rapide Bodycoat at
<b>Bodycoat:</b>	80 sq ft/gal and broadcast to refusal with 20 - 40 mesh sand.
<b>1<sup>st</sup> Sealer:</b>	Deckshield Rapide Sealer at 100 sq ft/gal
<b>2<sup>nd</sup> Sealer:</b>	Deckshield Rapide Sealer at 130 sq ft/gal

Heavy traffic areas and higher slip resistance substitute 20-40 mesh sand with a coarser more abrasive aggregate broadcast. This will reduce the coverage of the Deckshield materials.

Coverages listed are theoretical, actual coverages may vary based on substrate, temperature and site variations.

## Installation

Installation should be carried out by a Key Resin Company preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

## Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

## Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

## Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber / drier with a mildly alkaline detergent

## Environmental Health & Safety

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 and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Key Resin Company staff and fully trained application teams.

## Warranty

Key Resin Company 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. Please review warranty in detail before installing the products.

## Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Key Resin Company, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

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