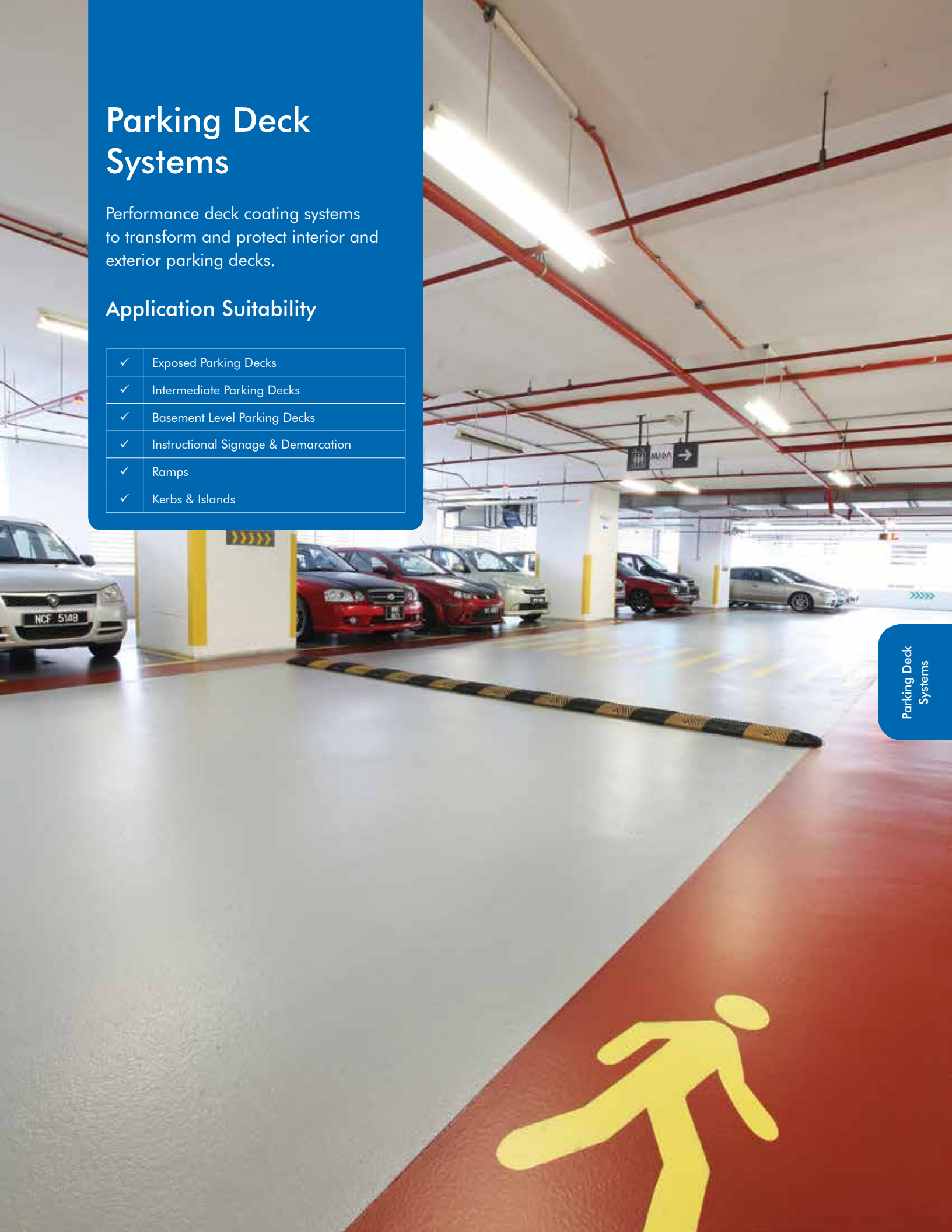


Parking Deck Systems

Performance deck coating systems to transform and protect interior and exterior parking decks.

Application Suitability

✓	Exposed Parking Decks
✓	Intermediate Parking Decks
✓	Basement Level Parking Decks
✓	Instructional Signage & Demarcation
✓	Ramps
✓	Kerbs & Islands





Deckshield ID (40 mils)

A flexible polyurethane deck coating system for use on intermediate decks of multi-story parking structures.



UV Resistant:

100% UV stable formulation available to prevent the floor from yellowing.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.



Low Odor:

Solvent-free & low VOC formulation with low odor installation even in confined areas.

Standard Colors:



Blue



Red



Green



Mid Gray



Dark Gray



Black

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

COMPRESSIVE STRENGTH:

ASTM C 579	10,500 psi
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TENSILE STRENGTH:

ASTM C 307	1,600 psi
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FLEXURAL STRENGTH:

ASTM C 580	4,200 psi
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SLIP RESISTANCE:

(PTV) Method described in BS 7976-2 (typical values for TRRL rubber slider)	Dry: 92 Wet: 46
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ABRASION RESISTANCE:

ASTM D 4070 CS 17 Wheel, 1000 Cycles	0.050g loss
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VAPOR PERMEABILITY:

Karsten Test	Nil (impermeable)
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BOND STRENGTH:

Greater than cohesive strength of 3,000 psi concrete, > 220 psi

FIRE RESISTANCE:

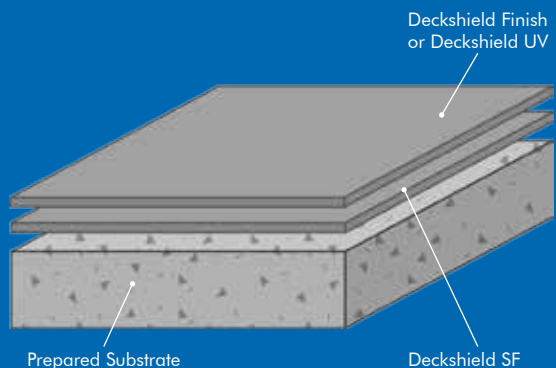
BS 476-3	Designated EXT.FAA
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VOC:

50 g/l

SPEED OF CURE:

	50°F	70°F	90°F
Light Traffic	36 hrs	10 hrs	10 hrs
Full Traffic	72 hrs	36 hrs	24 hrs
Full Chemical Cure	7 days	3 days	48 hrs



Products Included In This System

Primer: Deckshield SF at 80 sq ft/gal mix with SNL Filler at 720 sq ft/bag (optional)

Broadcast: Broadcast to refusal with 20 - 40 mesh sand

Topcoat Options:

Deckshield Finish at 80 sq ft/gal

Deckshield UV at 80 sq ft/gal

For ramps and high wear areas a coarser broadcast of emery or aluminum oxide should be used, which will require thicker application of sealer coats.

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

Installation

Installation should be carried out by a Flowcrete STAR or 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

UV Resistance

Deckshield Finish is not color fast and may change color over time (exhibits a yellowing effect). Color change depends on the UV light and heat levels present and as such the rate of change cannot be predicted. This is more noticeable in light colors and gray but does not compromise the product's flexibility or chemical resistance characteristics. Flowcrete Americas endeavors to adopt colors within our standard range which minimize this change. If UV resistance is a main requirement, Deckshield UV should be used as top coat.

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 Flowcrete Americas' staff and fully trained application teams.

Warranty

Flowcrete Americas' 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 Flowcrete Americas, 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.

[08/12/16]



Deckshield Rapide ID (60 mils)

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



Fast Cure:

Accelerates cure time, providing a fully operational surface in just 60 minutes.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



UV Resistant:

100% UV stable formulation available to prevent the surface from yellowing.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.

Standard Colors:



Blue



Brick Red



Green



Light Gray



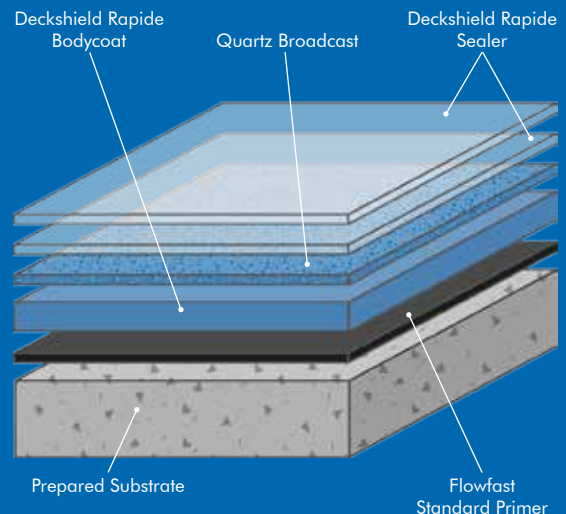
Medium Gray



Dark Gray

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

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



Products Included In This System

Primer:	Flowfast Standard Primer at 80 - 130 sq ft/gal
Banding:	Deckshield Rapide Membrane as a band to cracks, floor-wall interfaces etc. (optional)
Bodycoat:	Deckshield Rapide Bodycoat at 80 sq ft/gal and broadcast to refusal with 20 - 40 mesh sand.
1st Sealer:	Deckshield Rapide Sealer at 100 sq ft/gal
2nd Sealer:	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 Flowcrete STAR or 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 Flowcrete Americas' staff and fully trained application teams.

Warranty

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[08/12/16]



Deckshield Rapide ED (100 mils)

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



Fast Cure:

Accelerates cure time, providing a fully operational surface in just 60 minutes.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



UV Resistant:

100% UV stable formulation available to prevent the surface from yellowing.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.

Standard Colors:



Blue



Brick Red



Green



Light Gray



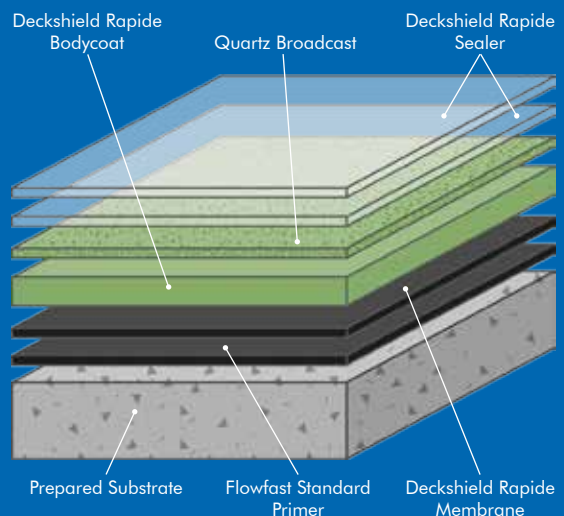
Medium Gray



Dark Gray

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

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



* Typical value is dependant on aggregate used.

Products Included In This System

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

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[08/12/16]