



## 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:



Cream



Tan



Khaki



Red



Green



Black



Common Grey



Dark Grey



Safety Yellow

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

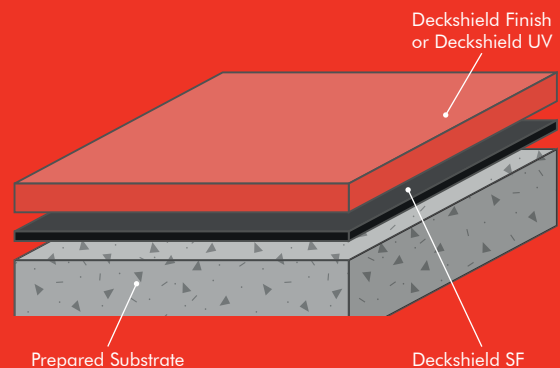
BS 476-3	Designated EXT.F.AA
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### VOC:

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 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

## 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 grey but does not compromise the product's flexibility or chemical resistance characteristics. Key Resin Company 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 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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