



DECKSHIELD

Car Park Decking Systems for:

- ✓ Exposed Decks
- ✓ Internal Decks
- ✓ Ramps
- ✓ Walkways/Stairwells
- ✓ Demarcation
- ✓ Service Corridors

Deckshield Range Technical Profile



Multi storey car parks have always been many customers' first point of contact with commercial destinations, but it is only recently that developers have made efforts to improve the quality of the car park experience.

Although often underestimated, the correct specification of waterproofing and surfacing materials is critical, within the car park environment, to delivering a long-term, structurally protected and safe facility for car park operators and vehicle owners.

Flowcrete's Deckshield range offers a number of colourful deck coating solutions geared up to provide slip-resistance, durability and an excellent service life as well as stand-up to common car park problems.

Application Suitability



Exposed Decks



Internal Decks



Ramps



Instructional Signage



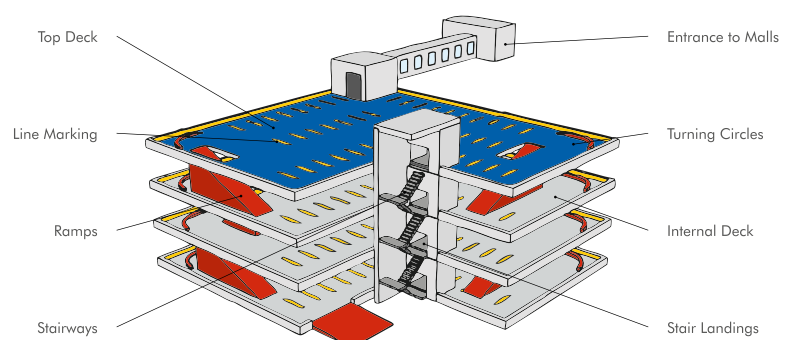
Demarcation



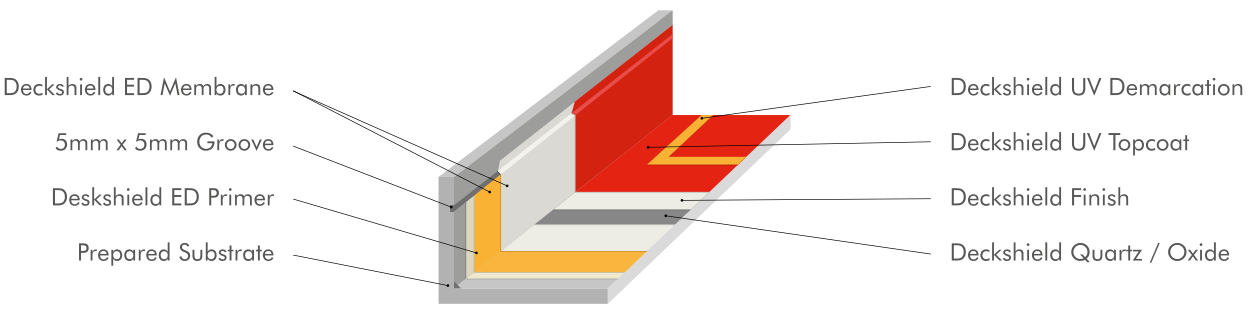
Kerbs / Islands

Product Selector

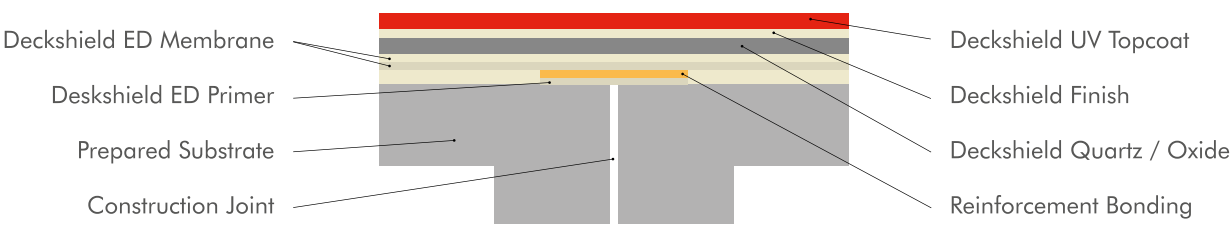
Each parking facility consists of a range of zones or areas and requires a number of surface applications as a result. Flowcrete offers a wide range of flooring products to meet the surface requirements of the entire car park as well as neighbouring zones.



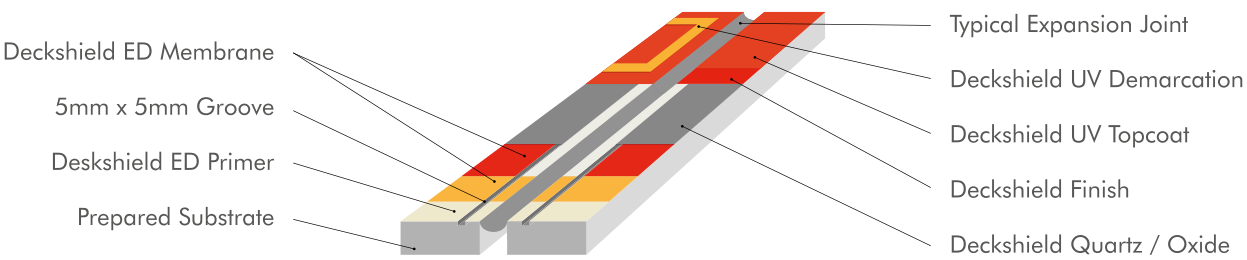
Typical Uprand (Deckshield ED)



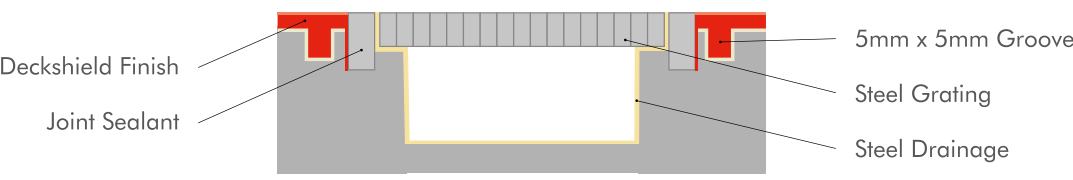
Typical Construction Joint (Deckshield ED)



Typical Expansion Joint (Deckshield ED)



Deckshield Drainage Detail



Chemical Resistance

Petrol	✓
Diesel	✓
Antifreeze	✓
Hydraulic Fluid	✓
Chlorides	✓
Battery Acids	✓



Deckshield ED (exposed deck)

Deckshield ED is a polyurethane car park deck coating system providing a colourful crack bridging, waterproof surface for exposed decks.

Deckshield ED cosmetically enhances and reduces noise, making exposed car park decks brighter, safer environments to visit.



Environmentally Friendly:

Low in Volatile Organic Compounds (VOCs) and solvent free.



Attractive:

Brightens up dull, dark and musty car park environments.



Resistant:

Excellent resistance to chemicals, fire and has a low slip potential.



Reduces Noise:

Minimises unwanted noise from tire squeal.



UV Stable:

100% UV light stable. Prevents from yellowing effect.

Colours



Forest Green



Dark Grey



Mid Grey



Tile Red

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

Technical Profile

TEMPERATURE RESISTANT

Softens over 70°C, hardens on cooling

WATER PERMEABILITY

Karsten Test Nil (Impermeable)

RESISTANCE TO CHLORIDE IONS

DOT BD47/94: Appendix B, Method B4,2(d). No chloride ion penetration after 28 days

BOND STRENGTH

>1.5 MPa (primed concrete)

FIRE RESISTANCE

BS476-3 Designated EXT.FAA

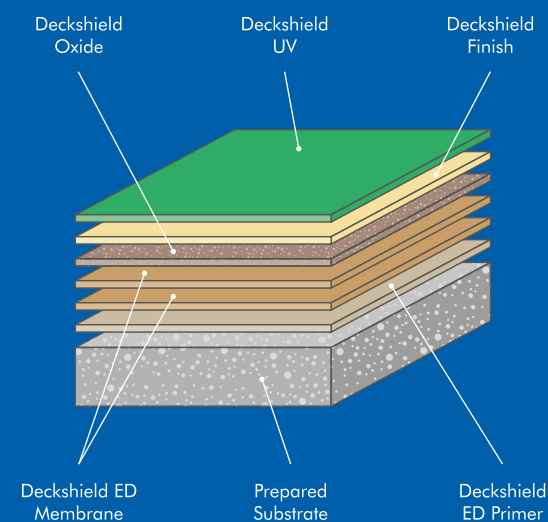
SLIP RESISTANCE

TRRL Pendulum Slip Test Dry >40, Wet >40 (low slip potential)

ABRASION RESISTANCE

Taber Abrader (1kg load using CS17 wheels) 300mg loss per 1000 cycles

SPEED OF CURE	10 °C	20 °C	30 °C
Light Traffic	30 hrs	18 hrs	12 hrs
Full Traffic	36 hrs	30 hrs	24 hrs
Full Chemical Cure	12 days	7 days	6 days



* Cure times at temperatures between 0-30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Deckshield ID (intermediate deck)

Deckshield ID is a Green Label certified polyurethane car park deck coating system for intermediate decks of multi storey structures.

Deckshield ID (intermediate deck) cosmetically enhances and reduces noise, making multi storey car parks brighter, safer environments to visit.



Environmentally Friendly:

Low in Volatile Organic Compounds (VOCs) and solvent free.



Attractive:

Brightens up dull, dark and musty car park environments.



Resistant:

Excellent resistance to chemicals, fire and has a low slip potential.



Reduces Noise:

Minimises unwanted noise from tire squeal.



UV Stable:

100% UV light stable. Prevents from yellowing effect.

Colours



Forest Green



Dark Grey



Mid Grey



Tile Red

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

Technical Profile

TEMPERATURE RESISTANT

Softens over 70°C, hardens on cooling

WATER PERMEABILITY

Karsten Test

Nil (Impermeable)

BOND STRENGTH

> 1.5 MPa (primed concrete)

FIRE RESISTANCE

BS476-3

Designated EXT.FAA

SLIP RESISTANCE

TRRL Pendulum Slip Test

Dry >40, Wet >40
(low slip potential)

ABRASION RESISTANCE

Taber Abrader (1kg load
using H-22 wheels)

40mg loss per 1000 cycles

SPEED OF CURE

10°C

20°C

30°C

Light Traffic

30 hrs

16 hrs

10 hrs

Full Traffic

36 hrs

24 hrs

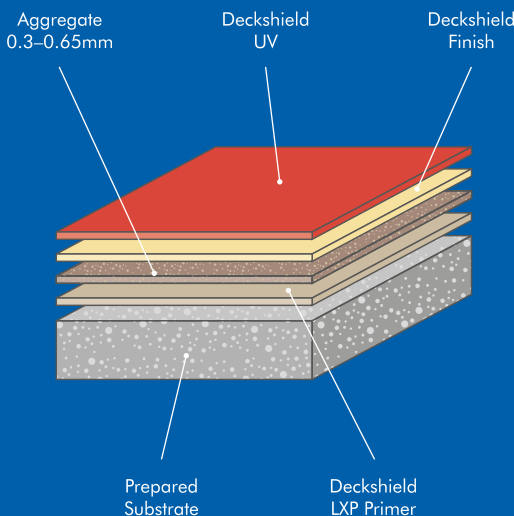
16 hrs

Full Chemical Cure

12 days

7 days

6 days

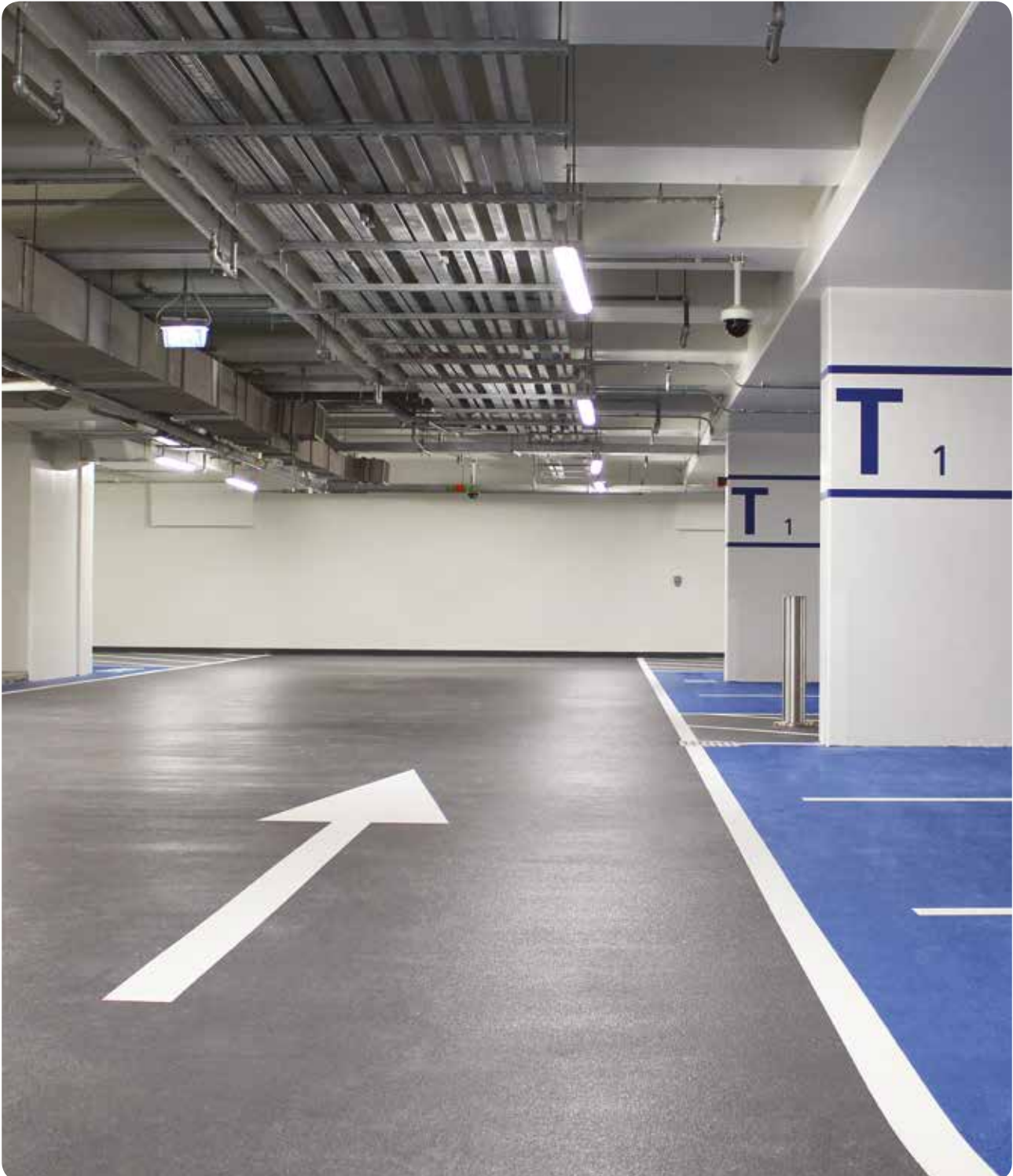


* Cure times at temperatures between 0-30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.



Chemical Resistance

Petrol	✓
Diesel	✓
Antifreeze	✓
Hydraulic Fluid	✓
Chlorides	✓
Battery Acids	✓





Flowcrete Group

Flowcrete Group Ltd is the world's leading specialist in seamless resin flooring, screeds and other coating technologies, with operations across five continents.

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