

DECKSHIELD - first impressions count



Multi-Storey Car Parks



Internal Decks



Ramps



Demarcation



Instructional Signage



Kerbs / Islands

WELCOME TO FLOWCRETE - for the world at your feet

Flowcrete's commitment to exceptional design, technical support and advisory services, from initial enquiry through to installation, is at the heart of our business philosophy.

Our global success is driven by our commitment to excellence; excellence in products, excellence in service and excellence in people.

With manufacturing plants across Europe, the Americas, Asia and Africa, a global commercial and sales support team and the backing of a major multi-national manufacturing group, Flowcrete is well placed, as the world's leading performance flooring designer and manufacturer, to serve clients in their local markets.

Our fully trained and monitored global network of approved flooring contractors ensures your flooring project is in safe hands with Flowcrete.



Mark Greaves
Managing Director
Flowcrete Group Ltd

DECKSHIELD - car park protection

At Flowcrete, we are committed to transforming contemporary car park environments. Global clients, engineers, architects and developers are demanding high performance systems to avoid structural failure. As a technology driven manufacturer, Flowcrete is constantly developing new systems for both new build and refurbishment projects to deliver safer, more attractive and functional parking environments.

Our protective waterproof car park decking system, Deckshield, visually improves car parks, has a highly accredited fire rating and is exceptionally durable and hard wearing. These qualities make it the product of choice for today's car parks, where first impressions count.

Flowcrete guarantees the in-situ performance of Deckshield; its credibility being verified by third party accredited testing. Deckshield is fully certified by the British Board of Agrément, is compliant to both BS and DIN standards and is fully compliant to ASTM C957, bringing peace of mind to international clients, no matter where they may be.



DECKSHIELD

first impressions count

TOP
tip

Use our demarcation system to provide both pedestrians and vehicle owners with clear directions.

DECKSHIELD visually improves car parks, has a highly accredited fire rating and is exceptionally durable and hard wearing. These qualities make it the product of choice for today's car parks, where first impressions count.

Tamar Development, Hong Kong.



ENHANCING

visual appeal

Car parks in the twenty first century have a crucial role to play as the first point of call for a visitor to any public, private or commercial building...

The car park is the 'front door' of the building, while at the same time serving its essential primary functional role. There is no doubt that first impressions count and appearance, ease of use, signage, bright lighting and clear directional marking all help to make a car park a more positive and safer environment for the car owner.

By utilising the very best of protective coating systems on the internal structure of the car park, visual appearance can be enhanced, light reflectivity can be improved, traffic movement can be regulated and ongoing structural maintenance can be kept to an absolute minimum.

As the growth in construction of commercial structures continues, more and more cars visit airports, retail malls, hotels, office blocks and public buildings on a daily basis - it is crucial to make that first impression count.



Parklands, Australia.



Cathedral Square, Australia.

KEY clients

- InterContinental Hotel Group
- South Bank Corporation
- Dubai International Airport
- QVB
- Heathrow International Airport
- Centro Roselands
- Mater Private Hospital
- Wilsons Parking



DECKSHIELD

benefits

The Deckshield range from international flooring manufacturer Flowcrete offers clients the perfect balance between design aesthetics and practical performance.

DURABLE - Deckshield is exceptionally hard wearing, with high durability and abrasion resistance allowing it to stand up to heavy traffic, fuel and chemical spillages.

SAFE - The Deckshield range includes a variety of profiled anti-skid finishes, making it the perfect choice for any car park environment where the safety of visitors is key.

CREATIVE - Deckshield offers a wide variety of colours and styles for an eye catching, light reflective finish that defines vehicle and pedestrian areas and brightens dull environments.

FAST TRACK - Deckshield uses cutting edge resin technology enabling rapid application and early return to service with minimal downtime and disruption.

LONGEVITY - Deckshield is hard wearing and crack-resistant, lengthening the car park's lifecycle and minimising future reinstallation costs as well as disruption and downtime.

ENVIRONMENTAL - Deckshield has been approved by the Singapore Environmental Council and is an environmentally friendly flooring solution for your car park.

SOLVENT FREE - Deckshield is an environmentally friendly system, free from volatile organic compounds and safe for use in confined areas.

INSTRUCTIONAL - Deckshield comes with a demarcation system to highlight parking bays and specialised zones as well as to regulate traffic movement around the parking facility.

Approved and tested worldwide, all systems within the Deckshield range come backed by the sales support, technical services and quality that customers have come to expect from Flowcrete. Installed by a network of fully-trained and monitored expert floor installation teams, Flowcrete's Deckshield is the ideal choice for a variety of car park environments.



089-032 : Environmentally Friendly / Low VOC Paint

TOP tip

Deckshield can be applied over existing substrates in refurbishment projects to lengthen the life of the structure.

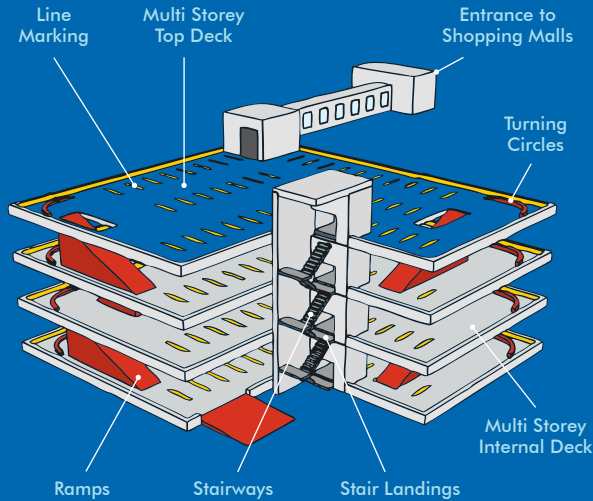
DECKSHIELD will transform a parking structure; protecting it over time whilst simultaneously brightening up the environment with the addition of colour...

Westfield Shopping Centre, London, UK.



CAR PARK 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.



	Deckshield ED	Deckshield ID	Deckshield UV Linemarker	Deckshield ID Rapide	Flowcoat SF41	Isocrete K-Screed	Flowgard WB	Peran STB	Mondéco Systems	Flowfast Systems
MULTI STOREY TOP DECK	✓					✓				
MULTI STOREY INTERNAL DECK		✓		✓		✓				
TURNING CIRCLES	✓	✓		✓		✓				
RAMPS	✓	✓		✓		✓				
STAIRWAYS					✓	✓				
STAIR LANDINGS					✓			✓		
LINE MARKING			✓							
INTERNAL WALL COATINGS							✓			
ENTRANCE TO SHOPPING MALLS						✓			✓	✓
SERVICE CORRIDORS					✓	✓		✓		

* The slipperiness of flooring materials can change significantly due to the installation process, after short periods of use, due to inappropriate maintenance or longer-term wear. To meet slip resistance value requirements for wet conditions, textured systems are recommended. Please contact a Technical Advisor at your local Flowcrete office for further details and specifications.



DECKSHIELD SYSTEMS

technical zone

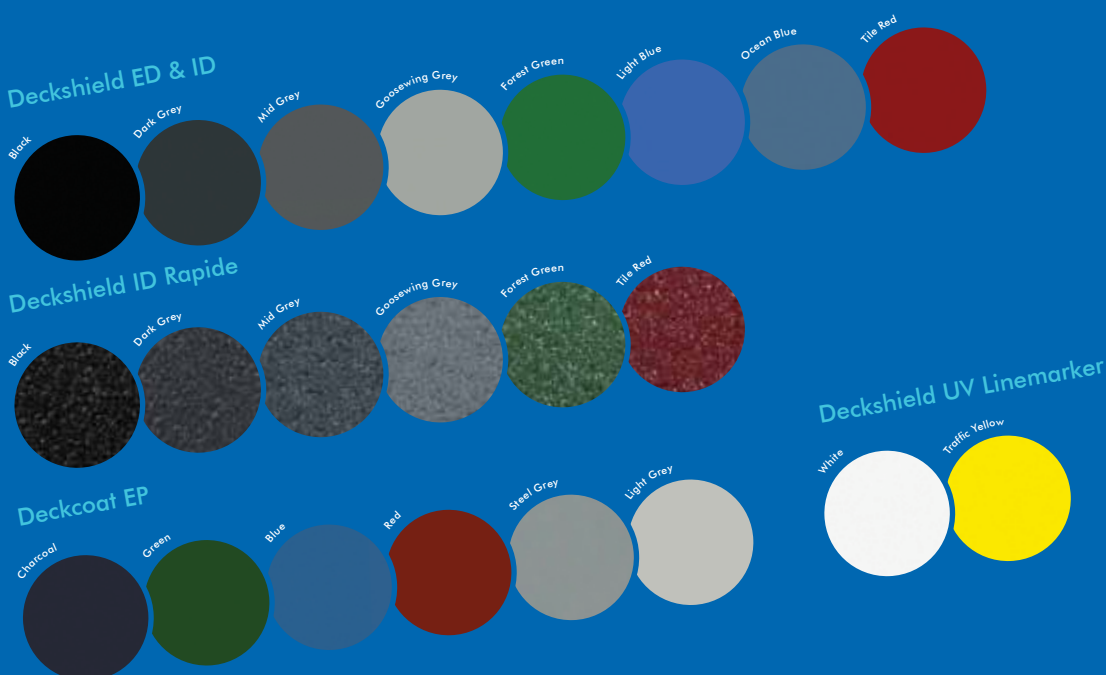
The figures provided in the table below are typical properties of our DECKSHIELD systems achieved in controlled laboratory tests that were conducted at 20°C and at 50% Relative Humidity. For full system technical data, please contact your local Flowcrete office or alternatively visit us online.

	Product Uses:	System Thickness:	Abrasion Resistance: (1 kg Load using H-22 wheels)	Water Permeability: (Karsten Test)	Slip Resistance: * TRRL Pendulum Slip Test (BS 7976-2)	Bond Strength: (Primed Concrete)	Chemical Resistance:	Speed of Cure Information: (at 20°C)
DECKSHIELD ED	Solvent free car park deck coating system to cosmetically enhance, reduce noise and waterproof the exposed decks of multi-storey car parks.	Per Specification	0.3g loss per 1000 cycles	Impermeable	Dry >40 low slip potential	>1.5 MPa	Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.	Light Traffic: 18hrs Full Traffic: 48hrs Full Chemical: 7 days
DECKSHIELD ID	Solvent free car park deck coating system to enhance and waterproof the intermediate decks of multi-storey car parks, making them safer and brighter.	Per Specification	0.1g loss per 1000 cycles	Impermeable	Dry >40 low slip potential	>1.5 MPa	Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.	Light Traffic: 16hrs Full Traffic: 24hrs Full Chemical: 7 days
DECKSHIELD ID RAPIDE	Methyl methacrylate car park deck coating system to enhance and waterproof the intermediate decks of multi-storey car parks, making them safer and brighter.	Per Specification	0.1g loss per 1000 cycles	Impermeable	Dry >40 low slip potential	>1.5 MPa	Resistant to petrol, diesel, antifreeze, hydraulic fluid, chlorides and battery acids.	Light Traffic: 16hrs Full Traffic: 48hrs Full Chemical: 7 days
DECKSHIELD UV LINEMARKER	A single component, solvent based, high build linemarking product for use in car parks and segregation areas.	110 micron	0.1g loss per 1000 cycles	Impermeable	Dry >40 low slip potential	>1.5 MPa	Resistant to petrol, oil and diesel.	Light Traffic: 16hrs Full Traffic: 24hrs Full Chemical: 7 days
DECKCOAT EP	Solvent free car park deck coating system providing a watertight surface for intermediate decks of multi-storey, basements and other trafficable suspended floors.	Per Specification	0.8g loss per 1000 cycles	Impermeable	Dry >40 low slip potential	>1.5 MPa	Please contact for more information.	Light Traffic: 24hrs Full Traffic: 48hrs Full Chemical: 7 days



STANDARD SYSTEM

colours



ENSURING

sustainability

"The Flowcrete Group is committed to developing our operations in a sustainable manner and has a holistic approach to producing environmentally friendly flooring materials. This means that rather than just focussing on environmental issues, all decision making considers the environmental, social and economic impact of Flowcrete's flooring materials, manufacture and supply in order to improve our Company's contribution to addressing the important issues our society faces today."

"As a range, Deckshield is exceptionally hardwearing, standing up to both foot and vehicular traffic as well as withstanding the chemical attack associated with car park environments. This maximises the lifecycle of the installation and minimises the associated environmental impact of future refurbishment and replacement. The Deckshield range is also free from volatile organic compounds and is safe for use in confined areas."

"We recognise that adopting a sustainable approach across all our operations throughout the world is the only way that we can truly improve our Company's contribution to society in this arena. By doing so, Flowcrete's contribution to sustainability will be significant and tangible."



Mark Greaves
Managing Director
Flowcrete Group Ltd

VINCI, Hong Kong.



Flowcrete's durable and high-performance flooring technology is gaining status in a variety of market sectors throughout the world.

DECKSHIELD case studies

Centro Roselands, Australia.

Product: Deckshield ID

Built in the 1960's, Centro Roselands was one of the first contemporary style malls to be built in the country and in 2005 the car park was given a new lease of life thanks to Flowcrete's Deckshield system.

The existing concrete was creating dust both in the car-park and shopping centre while the ingress of water and oils was beginning to affect the integrity of the concrete. What's more, a lack of clear signage and directional arrows was confusing for visitors.

Flowcrete's Deckshield was chosen for the refurbishment after 12 months of testing on site in the most trafficked area. Deckshield passed with flying colours with Centro commenting that the sample still looked brand new after testing. The 12,000m² project was completed in approximately 6 weeks.



Centro Roselands, Australia.

Mater Private Hospital, Australia.

Product: Deckcoat EP

Mater Private Hospital, Brisbane, is the largest of Mater Health Services' private facilities and offers a total of 320 patient beds and 10 operating theatres.

Flowcrete Australia was chosen to provide a flooring solution for their 7500m² car park, which was due for a refurbishment as the existing water based epoxy coating was discoloured, noisy and slippery in the wet.

Deckshield is hard wearing, abrasion resistant and can help reduce noise and tyre squeal. Furthermore, it has a highly accredited fire rating, and is available in a wide range of attractive colours and finishes

The refurbishment was a great success with the work being completed to a high standard in a quick 14 day period.



Mater Private Hospital, Australia.



To find further information on DECKSHIELD or any of our specialist flooring systems visit:

www.flowcreteaustralia.com.au



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*Partner Company

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