

DECKSHIELD - first impressions count



Exposed Decks



Internal Decks



Ramps



Walkways/Stairwells



Demarcation



Service Corridors

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.



TOP
tip

Our Deckshield range includes outdoor car park finishes, able to withstand the most extreme of weather conditions.

DECKSHIELD

first impressions count

TOP
tip

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

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Ramathibodi Hospital, Thailand.



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.



AIA, Hong Kong.



Tesco, UK.

KEY clients

- InterContinental Hotel Group
- Kuala Lumpur International Airport
- Dubai International Airport
- Westfield
- Heathrow International Airport
- Soccer City Stadium
- Marks & Spencer
- NCP



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

NOISE REDUCING - Deckshield's finish reduces unwelcome tyre squeal; an unpleasant yet common problem, particularly in internal car park environments.

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.



TOP tip

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

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.



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.

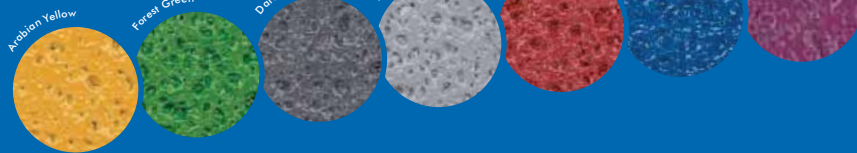
	Product Uses:	System Thickness:	Abrasion Resistance: (1 kg Load using H-22 wheels)	Water Permeability: (Karsten Test)	Slip Resistance: * (BS 7976-2)	Bond Strength: (Primed Concrete)	Chemical Resistance:	Speed of Cure Information: (at 20°C)
 DECKSHIELD ED	To cosmetically enhance, reduce noise and waterproof the exposed decks of multi-storey car parks.	2mm	40 mg 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 HD	To cosmetically enhance, reduce noise and waterproof the heavy duty areas of multi-storey car parks, such as ramps and loading bays.	3mm	40 mg 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	To cosmetically enhance, reduce noise and waterproof the intermediate decks of multi-storey car parks, as well as making them safer and lighter.	1.5mm	40 mg 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 LINEMARKER QD	A single component, solvent based, high build linemarking product for use in car parks and segregation areas.	110 micron	BS8204 Part 2: Class AR2	Impermeable	TRRL Pendulum Slip Test: Dry 90 Wet 40	1.5 MPa	Resistant to petrol, oil and diesel.	Dry to no pickup: 10 mins Dry through time: < 20 mins Full traffic: > 4 hrs Overcoating: > 4 hrs
 DECKSHIELD RAPIDE ED/HD/ID	Fast-curing solvent-free methyl methacrylate versions of each of the Deckshield systems are available, to offer outdoor, indoor and heavy duty solutions under a fast turn around. Please contact your local Flowcrete Office for full technical information.							



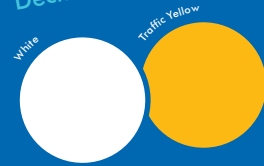
* The slipperiness of flooring materials can change significantly due to the installation process, after short periods of use, due to inappropriate maintenance or longer-term wear. To meet slip resistance value requirements for wet conditions, textured systems are recommended. Please contact a Technical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

STANDARD SYSTEM colours

Deckshield ED/HD/ID/Rapide ED

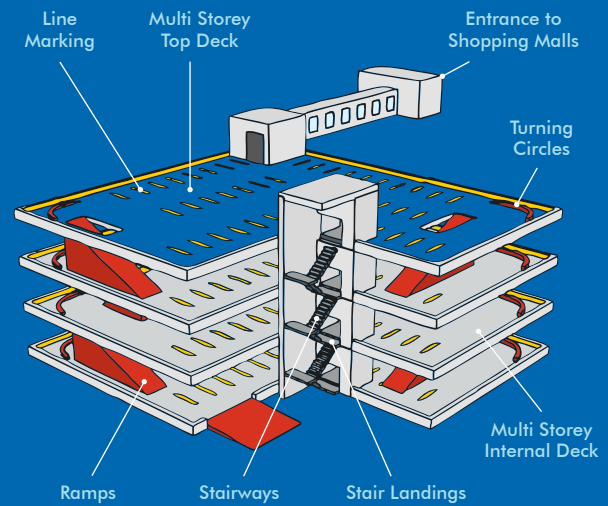


Deckshield Linemarker



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 HD	Deckshield ID	Linemarker QD	Deckshield Rapide ED	Flowcoat SF41	Isocrete K-Screed	Peran WW	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						✓	✓		✓		

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

Dubai Marina Mall, UAE.



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

DECKSHIELD case studies

Westfield Shopping Centre, UK.

Product: Deckshield ID, Rapide

The Westfield Shopping Centre, located in Derby City Centre, is one of the largest retail car parking facilities in the UK. With a little help from Flowcrete's car park decking system, Deckshield, the shopping centre owners and operators completely refurbished the car park over three levels in record time.

The enclosed basement was substantially brightened up using Deckshield ID whilst the exposed top deck and ramps required the fast track system Deckshield Rapide.

In addition to delivering the superior physical properties to cope with the rigours experienced on exposed decks, the rapid curing time of the Deckshield Rapide was a major advantage in accommodating the adverse weather conditions during the installation phase of the project.

InterContinental Hotel, Poland.

Product: Deckshield ID, QD Linemarker

A five storey underground car park belonging to the InterContinental Hotel in Poland was in need of an attractive car park system which oozed opulence and was in keeping with the chain's prestigious reputation for world class accommodation and service.

A hard-wearing yet colourful flooring system that could withstand a range of temperatures from freezing cold to intense heat was the client's specification.

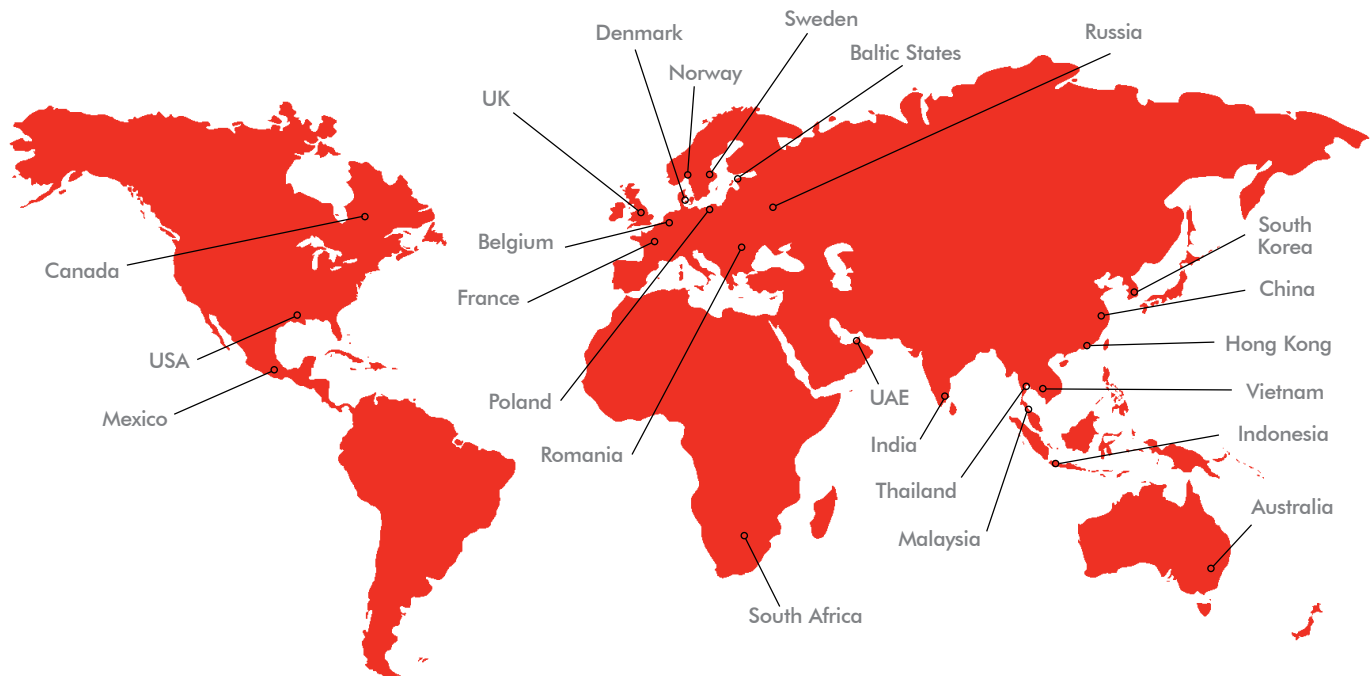
Deckshield ID was installed throughout the car park in grey, with reflective markings on top created by Deckshield QD Linemarker.

Its slip resistant finish helps cut tyre squeal noise, rendering the car park a more attractive environment for users.



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

www.flowcrete.co.uk



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