

Deckshield ID



Description

Deckshield ID is a low VOC, solvent free, flexible polyurethane car park deck coating system providing a colourful watertight, hard-wearing surface for intermediate decks of multi-storey, basement and other trafficable suspended floors.

Uses

Deckshield cosmetically enhances and reduces noise, making multi-storey car parks and suspended floors brighter, safer environments to visit. Deckshield is suitable for refurbishment of existing car parks or new construction projects.

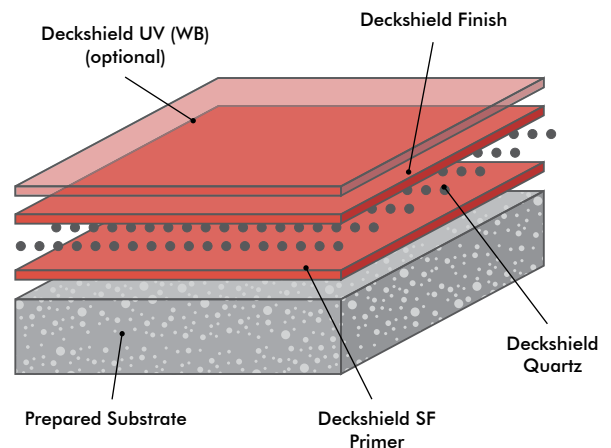
Benefits

- Environmentally friendly/low VOC paint
- Aesthetically attractive – brightens up dull, dark, musty car parks and suspended floors
- Reduces noise – greatly reduces tyre squeal
- Hard-wearing – abrasion resistant
- Excellent chemical resistance to engine oil, battery acid, hydraulic fluid, fuel, etc.
- Fire resistant
- Slip resistant
- Resistant to hair line cracking
- Excellent bond strength
- Fast track installation
- 100% UV light stable – non yellowing

Project References

Available on request.

System Design



Standard Colour Chart



Red



Light Blue



Blue



Green



Light Grey



Mid Grey



Dark Grey



Black

Model Specification

Product: Deckshield ID system
Finish: Textured
Thickness: Dependant on specification
Colour: _____
Preparatory work and application in accordance with suppliers instructions.
Manufacturer: Flowcrete Middle East FZCO
Telephone : Customer Service +971 4 886 4728

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. Substrate should be dry up to 75% RH as per BS8204 and free from rising damp and ground water pressure.

Products Included in this System

Deckshield SF Primer
Deckshield Quartz
Deckshield Finish
Deckshield UV (WB) (optional)

Deckshield Finish and Deckshield UV (WB) are endorsed with Green Label for the above standard colours. For non standard colours, please consult Flowcrete Technical Department.

Note: Alternative specifications are available for steep ramps and ramps with severe camber (please consult Flowcrete for further advice).

Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at www.flowcrete.ae

Environmental Considerations

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, maintenance and cleaning. Environmental and health considerations are controlled during the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

Flooring Design Service

Special corporate colours and designs can be produced to special order.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Fire Resistance	BS476: Part 3: Designated EXT.FF.AA
Slip Resistance	TRRL Pendulum Slip Test Dry >40 Wet >40 (low slip potential)
Temperature Resistance	Softens over 70°C, Hardens on cooling
Water Permeability	Nil – Karsten test (impermeable)
Chemical Resistance	Contact Technical Department
Resistance to Chloride Ions	DOT BD47/94: Appendix B, Method B4,2(d). Result: No chloride ion penetration after 28 days
Abrasion Resistance	0.1g loss per 1000 cycles (ASTM D4060) (1kg load using CS17 wheels)
Bond Strength	Greater than cohesive strength of 25 N/mm ² concrete. >1.5 MPa.
VOC Content	Very Low <20 g/L (ISO11890-2)
UV Light Resistance	Excellent (Non-yellowing)

Speed of Cure

	10°C	20°C	30°C
Light Traffic	30 hrs	18 hrs	12 hrs
Full traffic	48 hrs	36 hrs	24 hrs
Full chemical cure	12 days	7 days	6 days

Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.