

Deckshield ED Trafficable Waterproofing System



Description

Deckshield ED is a low VOC, solvent free, flexible polyurethane car park deck coating system, providing a colourful crack bridging and waterproofing system.

Uses

Deckshield cosmetically enhances and reduces noise, making exposed car decks brighter, safer environments to visit. Deckshield is suitable for refurbishment of existing car parks or new construction projects.

Benefits

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

Standard Colour Chart



Forest Green



Dark Grey

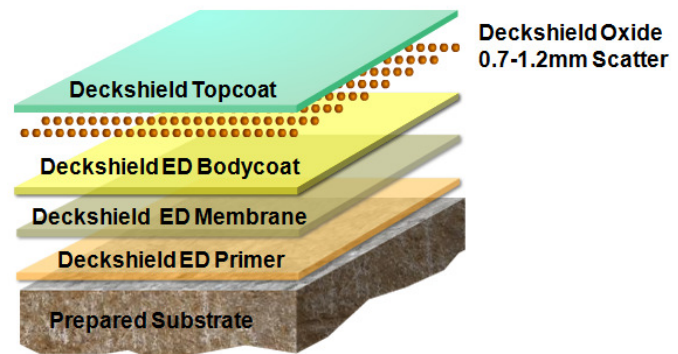


Mid Grey



Tile Red

The applied colours will differ slightly from the examples shown above due to printing variations. Contact our customer services for a true colour sample or a special colour match.



Model Specification

Product: Deckshield ED system
Finish: Textured
Thickness: Dependent on specification
Colour: Various
Preparatory work and application in accordance with manufacturer's instructions.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25N/mm², free from laitance, dust and other contamination. The substrate should be dry to 95% RH as per BS8204. Should not be applied if there is an existing sub-slab DPM.

Products Included in this System

Deckshield ED Primer @ 0.4kg/m² (3m²/ℓ)
Deckshield ED Membrane @ 1.1kg/m²
Deckshield ED Bodycoat @ 1.0kg/m²
Deckshield Oxide @ 0.5mm
Deckshield Top Coat @ 0.3kg/m²

Note: Alternative specifications are available for steep ramps and ramps with severe camber. Technical proposals are specifically written for each installation which may require substrate details and site survey report.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcretesa.co.za

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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Focus on the Floor-zone

Flowcrete Group are 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, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Technical Information

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

| | |
|---|--|
| Fire Resistance: | BS 476-3: Designated EXT.FF.AA |
| Slip Resistance: | TRRL Pendulum Slip test Dry >40 Wet >40 (low slip potential) |
| Textured systems are recommended to meet slip resistance value requirements for wet conditions and/or surface contaminants (wet or dry) – please contact our Technical Advisors for further details and specifications. | |
| 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: | Taber Abrader: 300mg loss per 1000 cycles (1kg load using CS17 wheels) |
| Tensile Strength: | BS2782:Part 3 Method 320A All samples heat aged at 70 °C 1 day 5.4/50.4 7 day 7.15/40.2 28 day 7.17/30.5 |
| Crack Bridging: | 0.5mm (BS EN 1062-7 Method B1) |
| Tear Strength | 29kN/m (ASTM D624) |
| Bond Strength: | Greater than cohesive strength of 25 N/mm ² concrete > 1.5mPa |
| UV Light Resistance | Excellent (Non-yellowing) |

Speed of Cure

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

Aftercare - Cleaning and Maintenance

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

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.

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

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