



## Deckshield Rapide EDP

4–5mm (nominal)

A partially fleece reinforced, rapid cure MMA top deck waterproofing system that offers superior elastomeric crack bridging properties.



### EN 1504-2 Compliant:

Meets EU standards for the surface protection of concrete structures.



### Rapid Cure:

Full traffic and chemical cure achieved within 3 hours of application.



### Superior Crack Bridging:

Safeguards against the movement and cracking of parking structures.



### UV Light & Weather Resistant:

Colourfast, non-fading finish that withstands extreme weather conditions.



### Partially Reinforced:

Features a partial fleece reinforced lining to further enhance deck performance.

### SPEED OF CURE

Walk on	1 hour
Full Traffic & Chemical Cure	2–3 hours



Dusty Grey



Traffic Grey



Grass Green



Traffic Red



Traffic Blue



Traffic Purple



Traffic Orange

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



### Technical Profile

EN 1504-2:2005 Part 2: Surface Protection Systems for Concrete

#### CRACK BRIDGING PROPERTIES

Class A1 >0.1

#### SLIP RESISTANCE

EN 13036-4:2011

Class III: >55 Wet Test

#### REACTION TO FIRE

EN 13501-1

C<sub>i</sub>-s1

#### BOND STRENGTH

Measurement of Bond Strength by Pull-off

EN 1542:1999

1.9 N/mm<sup>2</sup>

#### ADHESION AFTER THERMAL COMPATIBILITY

With De-icing Salt Immersion & Thunder Shower Cycling

EN 13687-1&2:2002

1.6 N/mm<sup>2</sup>

#### ABRASION RESISTANCE

Taber

EN ISO 5470-1:1999

Weight loss 675 mg

#### BEHAVIOUR AFTER ARTIFICIAL WEATHERING

EN 1062-11:2003 4.2  
(2000 h)

No blistering, cracking or flaking

#### IMPACT RESISTANCE

EN ISO 6272-1:2012

Class III: 24.5 Nm

#### RESISTANCE TO SEVERE CHEMICAL ATTACK

EN 13529:2005  
Group 3 & 10

No defects & reduction in Shore Hardness >50%

Typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity for a model specification.

## Model Specification

System	Deckshield Rapide EDP
Finish	Satin Matt

Preparatory work and application in accordance with manufacturer's instructions.

## Products Included In This System

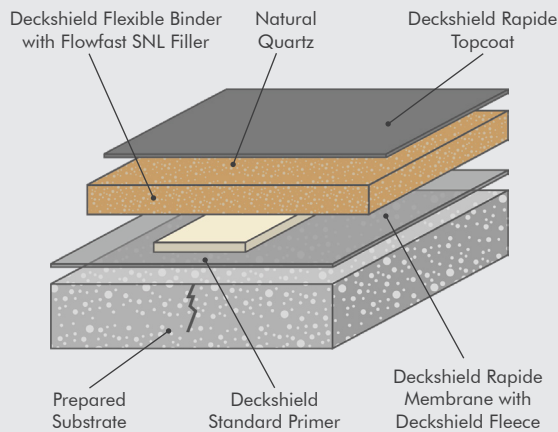
### Deckshield Rapide EDP 4–5 mm (nominal)

For normal wear areas (e.g. all parking bays and driveways, except ramps).

### Deckshield Rapide EDP-HD 6 mm (nominal)

For heavier wear areas (e.g. hammer heads, turning points and ramps).

## System Build-Up



## Substrate Requirements

Concrete or screed substrate should be a minimum of compressive strength of 25N/mm<sup>2</sup> (and 1.5 N/mm<sup>2</sup> tensile strength tested by pull-off adhesion test on site).

For the use of Deckshield Standard Primer, substrate should be surface dry to 92% RH. For Deckshield Damp Primer substrate should be surface dry up to 97% RH, both as per BS8203 and free from laitance, dust and other contamination. The system is designed

to cope with construction moisture but is not designed to resist hydrostatic water pressure.

In such circumstances external tanking or pressure relief, by e.g. directed drainage, must be provided to the structure.

NB: Technical proposals are written for each installation to meet the client's particular requirements, the final thickness will be dependant upon the specification..

## Installation Service

The installation should be carried out by a Deckshield licensed contractor with a documented quality assurance scheme. Obtain details of our licensed contractors by contacting our customer service team or enquiring via our website [www.flowcrete.co.uk](http://www.flowcrete.co.uk)

## Aftercare, Cleaning & Maintenance

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

## 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.

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. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [17/10/19, 01 UK]