

Deckshield Rapide ED1 (4–5 mm)

A fast cure methyl methacrylate deck coating system for use on external or exposed car park decks.



Independently Certified:

Tested & certified to OS11a and EN 1504-2.



Fast Track Installation:

Full traffic and chemical cure within 3 hours.



UV Resistant:

100% UV stable formulation prevents the surface from deteriorating and yellowing



Slip Resistant:

Positively textured anti-slip surface minimises slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides & battery acid.

SPEED OF CURE

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



Mid Grey



Dark Grey



Forest Green



Traffic Purple



Traffic Blue



Tile Red

The applied colours may differ from the examples shown.
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

UNE-EN 1062-7:2004 Method A – C.2 @ -10°C	Class A3 >0.59 mm
UNE-EN 1062-7:2004 Method B – B.3.2 @ -20°C	No cracks

SLIP RESISTANCE

UNE-EN 13036-4:2003	Class III: >55 Wet Test
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REACTION TO FIRE

EN 13501-1	C _{fl} -s1
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BOND STRENGTH

Measurement of Bond Strength by Pull-off

UNE-EN 1542:1999	>1.5 MPa
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WATER VAPOUR TRANSMISSION

Diffusion-equivalent Air Layer Thickness (Sd)

UNE-EN ISO 7783:2012	Class III: Sd >50 m
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LIQUID WATER PERMEABILITY

UNE-EN 1062-3:2008	<0.1 Kg/m ² × h ^{0.5}
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CARBON DIOXIDE PERMEABILITY

Diffusion-equivalent Air Layer Thickness (Sd)

UNE-EN ISO 7783:2012	>50 m
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ADHESION AFTER THERMAL COMPATIBILITY

With De-icing Salt Immersion & Thunder Shower Cycling

UNE-EN 13687-1&2:2002	>1.5 MPa
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ABRASION RESISTANCE

Taber

UNE-EN ISO 5470-1:1999	Weight loss <3000 mg
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BEHAVIOUR AFTER ARTIFICIAL WEATHERING

UNE-EN 1062-11:2003 4.2 (2000 h)	No defects
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IMPACT RESISTANCE

UNE-EN ISO 6272-1:2012	Class III: >20 Nm
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RESISTANCE TO SEVERE CHEMICAL ATTACK

UNE-EN 13529:2005 Group 1, 3 & 10	No defects & reduction in Shore Hardness <50%
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RESISTANCE TO CHLORIDE IONS

DOT BD47/94: Appendix B, Method B4,2(d)	No chloride ion penetration after 28 days
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Typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity for a model specification.

Model Specification

System	Deckshield Rapide ED1
Finish	Satin Matt

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

Products Included In This System

Deckshield Rapide ED1

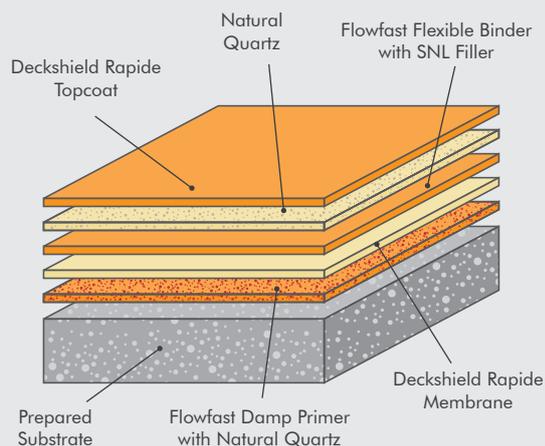
For normal wear areas (e.g. parking bays and lighter traffic).

Deckshield Rapide ED1-HD

For heavier wear areas (e.g. drive aisles, turning points and ramps).

Deckshield Rapide ED1-Ramp

For very heavy wear areas (e.g. sole entry/exit ramps and turning points).



Substrate Requirements

Concrete or screed substrate should be a minimum of compressive strength of 25 N/mm² (and 1.5 N/mm² tensile strength tested by pull-off adhesion test on site). Substrate should be surface dry to 95% RH 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

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. [09/05/19, 01 UK]