



Deckshield Rapide EDF

7 mm (nominal)

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



EN 1504-2 Compliant:

Meets B4.2 @ -20°C classification to EN 1504-2.



Rapid Cure:

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



Superior Crack Bridging:

Safeguards against the movement and cracking of new-build parking structures.



Above Occupied Premises:

Can be installed in high-risk areas, such as decks above occupied premises.



Fully Reinforced:

Features a fully 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	
EN 1062-7:2004 Method A – C.2 @ -20°C	Class A5 >2.5 mm
EN 1062-7:2004 Method B – B.4.2 @ -20°C	No cracks
SLIP RESISTANCE	
EN 13036-4:2011	Class III: >55 Wet Test
REACTION TO FIRE	
EN 13501-1	C _{fl} -s1
BOND STRENGTH	
Measurement of Bond Strength by Pull-off	
EN 1542:1999	2.3 N/mm ²
WATER VAPOUR TRANSMISSION	
Diffusion-equivalent Air Layer Thickness (Sd)	
EN ISO 7783:2012	Class III: Sd >50 m
LIQUID WATER PERMEABILITY	
EN 1062-3:2008	0.0001 kg/m ² × h ^{0.5}
CARBON DIOXIDE PERMEABILITY	
Diffusion-equivalent Air Layer Thickness (Sd)	
EN 1062-6:2003	>50 m
ADHESION AFTER THERMAL COMPATIBILITY	
With De-icing Salt Immersion & Thunder Shower Cycling	
EN 13687-1&2:2002	2.2 N/mm ²
ABRASION RESISTANCE	
Taber	
EN ISO 5470-1:1999	Weight loss 574 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 EDF
Finish	Satin Matt

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

Products Included In This System

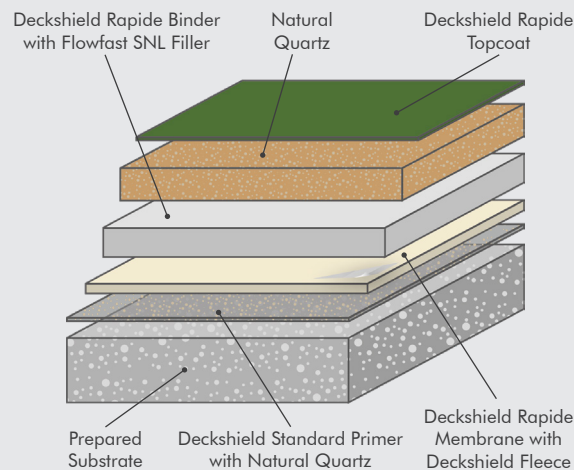
Deckshield Rapide EDF 7 mm (nominal)

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

Deckshield Rapide EDF-HD 7.5 mm (nominal)

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

System Build-Up



Substrate Requirements

Concrete or screed substrate should be a minimum of compressive strength of 25N/mm² (and 1.5 N/mm² 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

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]