

## DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011

Name of the product: **Deckshield SF**

Declaration number: **UK-00061**

1. Unique identification code of the product-type:

**EN 1504-2: ZA.1f**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

**batch number: see packaging of the product**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

**EN 1504-2  
Surface protection product – Coating  
Physical resistance (5.1)**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**Flowcrete UK Ltd.,  
The Flooring Technology Centre, Booth Lane, Sandbach, Cheshire, CW11 3QF, UK.**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**not relevant**

6. System or systems of assessment & verification of constancy of performance of the construction product as set out in Annex V:

**System 4**

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**not relevant**

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**not relevant**

9. Declared performance



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EN 1504-2  
Surface protection products  
Physical resistance

Essential characteristic	Performance *	Harmonised technical specification
Release of corrosive substances	SR	<b>EN 1504-2:2004</b>
Crack bridging properties (method A)	Class A3 (-10°C)	
Crack bridging properties (method B)	No cracks (-20°C)	
Slip/skid resistance	Class III	
Reaction to fire	BFL - s1	
Adhesion by Pull off test (with trafficking)	≥1.5 (1.0)** N/mm2	
Water vapour transmission	Class II	
Capillary absorption and permeability to water	w <0.1 kg/m2 x h0.5	
Carbon dioxide permeability	>50 m	
Adhesion after thermal compatibility	≥1.5 (1.0)** N/mm2	
Abrasion resistance	weight loss < 3000 mg	
Artificial weathering	no blistering / cracking / flaking after 2000 h of artificial weathering	
Impact resistance	Class III	
Resistance to severe chemical attack	<50% reduction (Group 1, 3 & 10)	

\* Tested as part of a system build up: Deckshield ED1 & ED2.

\*\* The value in brackets is the lowest accepted value of any reading.

European Standard EN 1504-2 (Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2: Surface protection systems for concrete). This standard specifies the requirements for the identification, performance (including durability aspects, safety and evaluation of conformity of products and systems to be used for the surface protection of concrete, to increase the durability of concrete and reinforced concrete structures, as well as for new concrete and maintenance and repair work. The surface protective methods covered by this document are: hydrophobic impregnation; impregnation; coating.

Flooring systems in buildings which are not intended to protect or reinstate the integrity of the concrete structure are standardised in EN 13813. When products and systems complying with this standard are used in flooring applications that involve substantial mechanical loading, they should also satisfy the requirements of EN 13813.

The clauses of this European standard in Annex ZA meet the requirements of the Mandate given under the Construction Product Directive (89/106/EC).

This declaration is in accordance with the requirements set out in Table ZA.1f – surface protection products – coating – physical resistance (5.1) Attestation of conformity systems (as defined in Table ZA.2) is in accordance with the requirements set out in Table ZA.3f – Assignment of evaluation of conformity tasks for surface protection products intended for uses with low performance not subject to reaction to fire regulations or of Euroclasses (A1 to E)\*\*\* or F intended for uses with low performance subject to reaction to fire regulations (system 4 - i.e. factory production control and initial type testing by self certification).

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Nick Hyde - Technical Director**

**17<sup>th</sup> May 2021**

United Kingdom

(place and date of issue)

(signature)