

DECLARATION OF PERFORMANCE

according Annex III of the Regulation (EU) No 305/2011
amended by Commissions delegated Regulation (EU) No 574/2014

Name of the product
Epoxy Color Top

No. GBIII 070_4

Unique identification code of the product-type:

6191

Intended use/es:

EN 1504-2
Surface protection products – Coating
Protection against ingress (1.3)
Moisture control (2.2)
Physical resistance (5.1)
Resistance to chemicals (6.1)
Increasing resistivity (8.2)

EN 13813
Synthetic resin screed for internal uses

Manufacturer:

Remmers GmbH
Bernhard-Remmers-Straße 13
D-49624 Lönigen

System/s of AVCP:

EN 1504-2: System 2+ (for uses in buildings and civil engineering works)
System 3 (for uses subject to reaction to fire regulations)

EN 13813: System 4 (for internal uses)

Harmonised standard:

EN 1504-2:2004
EN 13813:2002

Notified body/ies:

Kiwa GmbH Polymer Institut Notified Body 1119

Reaction to fire:

TFI Aachen GmbH

Notified Body 1658

Declared performance/s:

EN 1504-2:

The product is used in the surface protection systems:

Remmers Deck OS 8

consisting of components:

- Epoxy Primer PF
- Epoxy Color Top

Remmers Deck OS 8 classic

consisting of components:

- Epoxy ST 100
- Epoxy Color Top

Table 1: Performance in the systems Remmers Deck OS 8 and Deck OS 8 classic

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised Technical specification
Linear shrinkage	NPD	System 2+	EN 1504-2:2004
Compressive strength	NPD		
Coefficient of thermal expansion	NPD		
Abrasion resistance	weight loss < 3000 mg		
Cross cut	NPD		
Permeability to CO ₂	sD > 50 m		
Water vapour permeability	class III		
Capillary absorption and permeability to water	w < 0,1 kg/(m ² x h ^{0,5})		
Thermal compatibility	≥ 2,0 (1,5) ¹⁾ N/mm ²		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attack	Reduction in hardness < 50 %		
Crack bridging ability	NPD		
Impact resistance	class I		
Adhesion strength by pull off test	≥ 2,0 (1,5) ¹⁾ N/mm ²		
Reaction to fire	class B _{fl} -s1	System 3	
Skid resistance	class III	System 2+	
Artificial weathering	NPD		
Antistatic behaviour	NPD		
Adhesion on wet concrete	NPD		
Release of dangerous substances	NPD		

¹⁾ The value in brackets is the lowest accepted value of any reading

EN 1504-2:

The product is used in surface protection system:

Remmers Deck OS 11a - II

consisting of components:

- Epoxy Primer PF
- PUR Color ZS
- PUR Color VS
- Epoxy Color Top or PUR Color Top OS

Remmers Deck OS 11b - II

consisting of components:

- Epoxy Primer PF
- PUR Color ZS
- Epoxy Color Top

Table 1: Performance in the systems Remmers Deck OS 11a - II and Deck OS 11b - II

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised Technical specification
Linear shrinkage	NPD	System 2+	EN 1504-2:2004
Compressive strength	NPD		
Coefficient of thermal expansion	NPD		
Abrasion resistance	weight loss < 3000 mg		
Cross cut	NPD		
Permeability to CO2	sD > 50 m		
Water vapour permeability	class III		
Capillary absorption and permeability to water	$w < 0,1 \text{ kg}/(\text{m}^2 \times \text{h}^{0,5})$		
Thermal compatibility	$\geq 1,5 (1,0)^{1)} \text{ N}/\text{mm}^2$		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attac	Reduction in hardness < 50 %		
Crack bridging ability	OS 11a-II B 4.2 (-20 °C) OS 11b-II B 3.2 (-20 °C)		
Impact resistance	class I		
Adhesion strength by pull off test	$\geq 1,5 (1,0)^{1)} \text{ N}/\text{mm}^2$		
Reaction to fire	OS 11a-II Klasse C _{fi} -s1 OS 11b-II Klasse B _{fi} -s1	System 3	
Skid resistance	class III	System 2+	
Artificial weathering	NPD		
Antistatic behaviour	NPD		
Adhesion on wet concrete	NPD		
Release of dangerous substances	NPD		

¹⁾ The value in brackets is the lowest accepted value of any reading

EN 13813:

Table 2: Performance according to EN 13813

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised technical specification
Reaction to fire	E _{fl}	System 4	EN 13813:2002
Release of corrosive substances	SR		
Water permeability	NPD		
Wear resistance	≤ AR1		
Bond strength	≥ B1,5		
Impact resistance	≥ IR4		
Sound insulation	NPD		
Sound absorption	NPD		
Thermal resistance	NPD		
Chemical resistance	NPD		

Appropriate Technical Documentation and/or Specific Technical Documentation:

Appropriate Technical Documentation: **No. 6191-070**

Performance without further testing: **reaction to fire class E_{fl}**

Fulfilled requirements: **Maximum layer thickness: 10 mm**
Organic content: < 75 % in weight

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Remmers GmbH
i.V. Dr. Ralph Bergs
Area manager

Löningen, 09.03.2020
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(place and date of issue)


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(signature)