



Declaration of performance

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

Declaration of conformity

according Statutory Instruments (UK) 2019 No. 465; 2020 No. 1359

for the product	Epoxy ST 100
No.	GBIII 012_7
Unique identification code of the product-type	1160
Intended use/es	<p>EN 1504-2: Surface protection products – Coating Protection against ingress (1.3) Physical resistance (5.1) Resistance to chemicals (6.1)</p> <p>EN 13813: Synthetic resin screed for internal uses</p>
Manufacturer	<p>Remmers GmbH Bernhard-Remmers-Str. 13 49624 Lönningen (DE)</p> <p>Distributor UKCA: Remmers (UK) Limited 1 & 2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB)</p>
System/s of AVCP	<p>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)</p>
Harmonised standard	<p>EN 13813:2002 EN 1504-2:2004</p>
Notified body/ies	<p>Kiwa Polymer Institut GmbH Quellenstraße 3, 65439 Flörsheim-Wicker Notified Body 1119</p> <p>TFI Aachen GmbH Notified Body 1658</p> <p>British Board of Agrément 1st Floor Building 3, Hatters Lane, Croxley Park, Watford, WD 18 8YG Approved Body No 0836</p>



EN 1504-2:

The product is used in the surface protection system :

Remmers Deck OS 8 classic:

consisting of components: Epoxy ST 100 - Epoxy Color Top

Table 1: Performance in the system Remmers 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	s _D > 50 m		
Water vapour permeability	class III		
Capillary absorption and permeability to water	w < 0.1 kg/(m ² x t ^{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 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 _{fi}	System 4	EN 13813:2002
Release of corrosive substances	SR		
Water permeability	NPD		
Wear resistance	≤ AR0.5		
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. 1160-012**

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

Fulfilled requirements:

Maximum layer thickness: 4 mm

Organic content: 100 % in weight

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance & conformity is issued, in accordance with Regulation (EU) No 305/2011 and Statutory Instruments (UK) 2019 No. 465; 2020 No. 1359 under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by

Remmers GmbH
R&D Floor Coatings

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i. V. Dr. Ralph Bergs
(Department Manager)

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i. A. Markus Wist
(Technican)

The declaration of performance was created electronically and is also valid without signature.

Löningen, 2024-06-24