

## 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 BS 4000**

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**No. GBIII 058\_4**

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Unique identification code of the product-type:

**6320**

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Intended use/es:

**EN 1504-2**  
**Surface protection products – Coating**  
**Protection against ingress (1.3)**  
**Physical resistance (5.1)**  
**Resistance to chemicals (6.1)**

**EN 13813**  
**Synthetic resin screed for internal uses**

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Manufacturer:

**Remmers GmbH**  
**Bernhard-Remmers-Straße 13**  
**D-49624 Lönningen**

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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)

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Harmonised standard:

**EN 1504-2:2004**  
**EN 13813:2002**

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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 surface protection system:

**Remmers Deck OS 8 WD / WD-LE**

consisting of components:

- Epoxy BS 4000
- Epoxy BS 3000 SG
- Epoxy BS 3000 M

**Table 1: Performance in system Remmers Deck OS 8 WD / WD-LE**

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 <sub>2</sub>	sD > 50 m		
Water vapour permeability	class II		
Capillary absorption and permeability to water	w < 0,1 kg/(m <sup>2</sup> x h <sup>0,5</sup> )		
Thermal compatibility	≥ 2,0 (1,5) <sup>1)</sup> N/mm <sup>2</sup>		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attac	Reduction in hardness < 50 %		
Crack bridging ability	NPD		
Impact resistance	class I		
Adhesion strength by pull off test	≥ 2,0 (1,5) <sup>1)</sup> N/mm <sup>2</sup>	System 3	
Reaction to fire	class B <sub>n</sub> -s1	System 2+	
Skid resistance	class III		
Artificial weathering	NPD		
Antistatic behaviour	NPD		
Adhesion on wet concrete	NPD		
Release of dangerous substances	NPD		

<sup>1)</sup> 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 <sub>fl</sub>	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. 6230-058**

Performance without further testing: **reaction to fire class E<sub>fl</sub>**


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

Löninge, 20.11.2019  
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(place and date of issue)

  
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(signature)