

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

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No. 20003

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Unique identification code of the product-type:  
V1/50

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Intended use/es:

EN1504-3:  
Product for Structural and non structural repair for concrete  
Applying mortar by hand (3.1)  
Recasting with concrete (3.2)  
Spraying concrete or mortar (3.3)  
Structural strengthening by adding mortar or concrete (4.4)  
Increasing cover to reinforcement with additional cementitious mortar or concrete (7.1)  
Replacing contaminated concrete (7.2)

EN1504-6:  
Anchoring product

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Manufacturer:

PAGEL Spezial-Beton GmbH & Co. KG  
Wolfsbankring 9  
45355 Essen  
Germany

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System/s of AVCP:

EN1504-3:  
System 2+ (for uses in buildings and civil engineering works)  
System 4 (for uses subject to reaction to fire regulations)

EN1504-6:  
System 2+ (for uses in buildings and civil engineering works)  
System 4 (for uses subject to reaction to fire regulations)

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Harmonised standards:

EN 1504-3:2005  
EN 1504-6:2006

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Notified body/ies:

Qualitätsgemeinschaft Deutsche Bauchemie e.V., identification no. 0921

Declared performance/s EN1504-3:

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised technical specification
Compressive strength	R4	System 2+	EN 1504-3:2005
Chloride ion content <sup>1)</sup>	≤ 0,05 %	System 2+	
Adhesive bond	≥ 2,0 MPa	System 2+	
Restrained shrinkage/expansion <sup>2)</sup>	≥ 2,0 MPa	System 2+	
Carbonation resistance <sup>1) 3)</sup>	NPD	System 2+	
Elastic modulus	≥ 20 GPa	System 2+	
Thermal compatibility	NPD	System 2+	
Skid Resistance	NPD	System 2+	
Coefficient of thermal expansion <sup>4)</sup>	NPD	System 2+	
Capillary absorption	NPD	System 2+	
Reaction to fire <sup>5)</sup>	A1	System 4	
Dangerous substances	NPD	System 2+	

1) Only relevant for repair of reinforced concrete.

2) Not required if thermal cycling is undertaken.

3) Not required if the repair product includes a surface protection system with proven protection against carbonation (EN 1504-2) or is a PC mortar.

4) Relevant to PC only.

5) Also possible A1, A2, B, C and D, whereby the last four classes in Germany for the time being need an approval from DIBt. The possible class F is not admitted in Germany. This class means in Germany „readily flammable“. In other European MS this class means „no performance determined“ (NPD)“ and is admitted with consideration of the valid regulation in the respective MS.

NPD = no performance determined

Declared performance/s EN1504-6:

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonised technical specification
Pull-out	≤ 0,6 mm	System 2+	EN 1504-6:2006
Chloride ion content	≤ 0,05 %	System 2+	
Glass transition temperature <sup>1)</sup>	NPD	System 2+	
Reaction to fire	A1 <sup>2)</sup>	System 4	
Sustainability/Creep under tensile load displacement <sup>3)</sup>	NPD	System 2+	
Dangerous substances	NPD	System 2+	

1) For polymers only.

2) Also possible A1, A2, B, C and D, whereby the last four classes in Germany for the time being need an approval from DIBt. The possible class F is not admitted in Germany. This class means in Germany „readily flammable“. In other European MS this class means „no performance determined (NPD)“ and is admitted with consideration of the valid regulation in the respective MS.

3) Only for products containing polymers.

NPD = no performance determined

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:

Daniel Schempershofe, head of quality control and product development

Essen, 01.07.2013

*D. Schempershofe*  
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