

# Declaration of Performance

in accordance with annex III of regulation (EU) Nr. 305/2011



Reference number/article: 11339 – (3)		
1.	Unique identification code of the product type	<b>BÖRNER OK 45</b>
2.	Identification of the construction product, in accordance with article 11 (4)	lot-number, see packaging of product roll
3.	Intended use or uses of the construction product	Reinforced polymer bitumen sheet for waterproofing of concrete bridge decks and other trafficked areas of concrete
4.	Name, manufacturer	GEORG BÖRNER Chemisches Werk für Dach- und Bautenschutz GmbH & Co.KG; Heinrich-Börner-Straße 31; D-36251 Bad Hersfeld
5.	System or systems of assessment and verification of constancy of the construction product as set out in annex V	2+
6.	Certification body	Nr.: 1119 KIWA GmbH Polymer Institut, D-65439 Flörsheim-Wicker
7.	Conformity of the factory production control	1119-CPR-13119

8.	Essential characteristics	Performance	Techn. specification
	Water tightness	passed	EN 14695:2010
	Water absorption %	≤ 1.5	
	Tensile strength:		
	Maximum tensile force L*	N/50 mm ≥ 550	
	Maximum tensile force T*	N/50 mm ≥ 550	
	Elongation at maximum tensile force L*	% ≥ 30	
	Elongation at maximum tensile force T*	% ≥ 30	
	Bonding strength	N/mm <sup>2</sup> ≥ 0.7 (7°C); ≥ 0.4 (23°C)	
	Crack bridging ability	°C ≤ - 20	
	Compatibility by heat conditioning	% ≥ 70	
	Flexibility by low temperature	°C ≤ - 10	
	Shear strength	N/mm <sup>2</sup> ≥ 0.15 (23°C)	
	Behavior of bitumen sheets during application of mastic asphalt	NPD	
		mm	
	Resistance to compaction	passed	
	Durability:		
	-Water absorption %	≤ 1.5	
	-Flexibility at low temperature	°C ≤ - 10	
	-Flow resistance at elevated temperature	°C ≥ + 110	
	-Compatibility by heat conditions	% ≥ 70	
	Dangerous substances <sup>a), b)</sup>	complies, according 4.4 EN 14695	

\* L means longitudinal direction, T means transverse direction

a) This product does not contain asbestos or tar constituents.

b) Since there is no European test method available no performance declaration for leaching behavior can be made.

The performance of the above product corresponds to the declared performance /performances. The declaration of performance in accordance with Regulation (EU) No 305/2011 is the sole responsibility of the manufacturer mentioned above.

Signed for the producer and in the name of the producer from:

Ludek Smida, Director

Michael Börner, Director

Bad Hersfeld, 20.08.2019

## Georg Börner

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