

Declaration of Performance

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



Reference number/article: 12410 – (4)		
1.	Unique identification code of the product type	BITUMELIT PR 5
2.	Intended use or uses of the construction product	Reinforced polymer bitumen sheet for waterproofing of concrete bridge decks and other trafficked areas of concrete
3.	Manufacturer	GEORG BÖRNER Chemisches Werk für Dach- und Bautenschutz GmbH & Co.KG; Heinrich-Börner-Straße 31; D-36251 Bad Hersfeld
4.	System or systems of assessment and verification of constancy of the construction product as set out in annex V	2+
5.	Harmonised standard	a) EN 13707:2004+A2:2009 b) EN 14695:2010
	Certification body and identification number	a) No. 1724 GBP Gemeinschaft für Qualitätsüberwachung von Polymerbitumen und Bitumenbahnen e.V.; D-60329 Frankfurt/M. 1724-CPR-041101 b) No.: 1119 KIWA GmbH Polymer Institut, D-65439 Flörsheim-Wicker 1119-CPR-131191119-CPR-13119

6.	Essential characteristics	Performance	Techn. specification
	External fire performance ^{a)}	KLF	EN 13707:2004 + A2:2009
	Reaction to fire	Class E	
	Water tightness method B	passed	
	Thickness (mm)	5,0 ± 0,2	
	Tensile strength:		
	Maximum tensile force longitudinal N/50 mm	800 ± 200	
	Maximum tensile force transverse N/50 mm	1000 ± 200	
	Elongation at maximum tensile force longitudinal (%)	45 ± 10	
	Elongation at maximum tensile force transverse (%)	45 ± 10	
	Root resistance	KLF	
	Resistance to static loading method A (kg)	KLF	
	Resistance to impact method A (mm)	KLF	
	or Resistance to impact method A and B (mm)	KLF	
	Resistance to tearing longitudinal (N)	KLF	
	Resistance to tearing transverse (N)	KLF	
	Joint strength:		
	Peel resistance longitudinal (N/50 mm)	KLF	
	Peel resistance transverse (N/50 mm)	KLF	
	Shear resistance longitudinal (N/50 mm)	KLF	
	Shear resistance transverse (N/50 mm)	KLF	
	Durability UV heat and water	KLF	
	Heat flow after heat oven exposure (°C)	KLF	
	Pliability after heat oven exposure (°C)	KLF	
	Flexibility at low temperature (°C)	≤ - 18	
	Flow resistance at elevated temperature (°C)	≥ + 120	
	Dangerous substances ^{b), c)}	complies, according to 5.3 EN 13707	

For continuation of chart, see next page

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6.	Essential characteristics	Performance	Techn. specification
	Water tightness	passed	EN 14695:2010
	Water absorption (%)	≤ 1.5	
	Tensile strength:		
	Maximum tensile force longitudinal (N/50 mm)	800 ± 200	
	Maximum tensile force transverse (N/50 mm)	1000 ± 200	
	Elongation at maximum tensile force longitudinal (%)	45 ± 10	
	Elongation at maximum tensile force transverse (%)	45 ± 10	
	Bonding strength (N/mm ²)	≥ 0,5 (23°C)	
	Crack bridging ability (°C)	- 10	
	Compatibility by heat conditioning (%)	≤ - 18	
	Flexibility by low temperature (°C)	≥ + 120	
	Shear strength (N/mm ²)	≥ 0,15 (23°C)	
	Behaviour of bitumen sheets during application of mastic asphalt (heat resistance) (%)	0	
		(mm) 4,4 ± 0,4	
	Resistance to perforation (compaction)	passed	
	Durability:		
	-Water absorption (%)	≤ 1,5	
	-Flexibility at low temperature (°C)	- 13 ± 5	
	-Flow resistance at elevated temperature (°C)	+ 120 ± 10	
	-Compatibility by heat conditions (%)	≥ 90	
	Dangerous substances ^{b), c)}	complies, according 4.4 EN 14695	

- a) The determination of the external fire performance is a system test that can be influenced by system components that are not manufactured or distributed by GEORG BÖRNER GmbH & Co. KG, thus performance for the individual product cannot be given.
- b) This product does not contain asbestos or tar constituents.
- c) Since there is no European test method available, no performance declaration for leaching behaviour 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
Bad Hersfeld, 12.06.2023


Michael Börner, Director