

## swissporBIKUPONTE EP5 GA SE

Located in the heart of the swiss Alps, our research and development team created swissporBIKUPONTE EP5 GA SE to be applied as **single layer** on concrete **bridge decks**. Its reinforcement, in high quality polyester, has been chosen by our experts to meet **the most demanding expectations**. The upper surface is marked with a reference line that **helps to align** the membrane during the installation work. Its specific receipt makes it compatible with both mastic asphalt (Gussasphalt) and compacted asphalt.

The lower face is nished with a high quality polypropylene film that is easily torchable **allowing a very fast application of this membrane**. It shall be applied **fully torched**.

The membrane is rolled on a sturdy cardboard core that permits **a rapid application with a high level of control** (above all of the upstands) and **a better stocking**.

Our choices of materials and our processes make our products **setting the standards of quality and sustainability in the waterproofing industry**.

The membrane is compliant both to the European Norms and specifically, with the Trafikverkets TDOK 2013:0531 Version 1.0 dated 2014-07-01.



Upper Surface: Talc

Lower Surface: Thermofusible film

# swissporBIKUPONTE EP5 GA SE

Description	SBS modified bituminous membrane
Surface	Upper Talc
	Lower Thermofusible film
Reinforcement	Polyester
Application Method	Torched
Rolls / pallet (m <sup>2</sup> / Pallet)	15 (120)
Application norm	EN 13707; EN 13969; EN 14965, TDOK 2013:0531

Born in the  Alps



## Technical Data

Specifications	Test method	Unit	Requirement
Length	EN 1848-1	[m]	8.00
Width	EN 1848-1	[m]	1.00
Nominal weight of the product	EN 1849-1	[kg/m <sup>2</sup> ]	5.80 <sup>1)</sup>
Thickness	EN 1849-1	[mm]	5.00 <sup>2)</sup>
Visible defects	EN 1850-1	-	None
Straightness	EN 1848-1	[mm/10m]	≤ 20
Flexibility at low temperature	EN 1109	[°C]	≤ -25
Flexibility at low temperature after aging 24 weeks at 50°C	EN 1296	[°C]	≤ -10
Flow resistance at elevated temperature	EN 1110	[°C]	≥ 115
Maximum tensile force	EN 12311-1	[N/50 mm]	long.: 1200 <sup>2)</sup> transv.: 1000 <sup>2)</sup>
Elongation at max. tensile force	EN 12311-1	[%]	long.: 40 <sup>2)</sup> transv.: 40 <sup>2)</sup>
Dimensional stability (24h 80°C)	EN 1107-1	[%]	shrinking : - 0.0 extension : +0.13
Dimensional stability (1h 160°C)	EN 1107-1	[%]	shrinking : - 0.0 extension : +0.22
Reaction to fire	EN 13501-1	-	E
Watertightness	EN 1928	-	Passed at 60 kPa/24h
Resistance to dynamic water pressure	EN 14694	-	No leaking
Resistance to static loading	EN 12730	[kg]	≥ 20
Resistance to impact	EN 12691	[mm]	1500
Bond strength	EN 13596	[N/mm <sup>2</sup> ]	on concrete : 0.89 on asphalt beton : 0.70 on gussasphalt : 0.86
Shear strength	EN 13653	[N/mm <sup>2</sup> ]	on asphalt beton : 0.34 on mastic beton : 0.34
Compatibility (shear test after aging)	EN 14691	[N/mm <sup>2</sup> ]	0.26
Water absorption (without granules)	EN 14223	[%]	0.84
Ring and Ball temperature	EN 1427	[°C]	new : 130 After aging 24 weeks 50°C : 110
Crack bridging ability (-20°C on beton)	EN 14224	-	Passed
Behaviour of bitumen sheets, application of mastic asphalt	EN 14693	-	Passed
Resistance to compaction of an asphalt layer	EN 14692 (method 2)	-	Passed

<sup>1)</sup>Tolerance ± 10%   <sup>2)</sup>Tolerance ± 15%   <sup>3)</sup>Tolerance - 0% + 10%

**Fulfilled with requirements of standard TDOK 2013:0531**

**Safety:** Material Safety Data Sheets are available upon request at the under mentioned mail address of the Team Export.

**Storage:** The material has to be stored in a dry covered place and it is advisable not to exceed 12 months of storage and rolls must be stored vertically on pallets or on flat surfaces. Protect the membrane from extremely low temperatures and warm up the material before installation at least 24 hours at minimum of +5 °C. During storage avoid exposure to direct sunlight.

**Application:** For a correct use of the products, refer to the specific technical documents issued by swisspor Romandie SA. The customer stays responsible for ensuring that each product is suitable for its intended use and that the conditions of use are the correct ones. If any law, norm or regulation are in force in the Country of application and differs from what declared by the manufacturer, these must be considered as compulsory by the applicator and it is his own responsibility to follow it.

**Disclaimer:** swisspor Romandie SA pursues a policy of constant product development and information contained in this document that is therefore subject to change without notice.

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