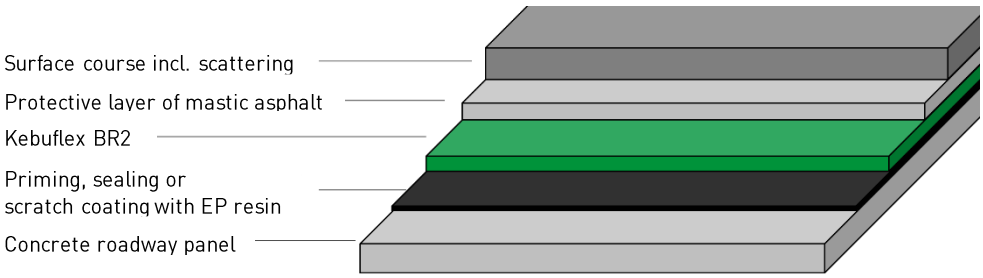
Kebuflex BR 2
PRODUCT DATA SHEET

- High elasticity and flexibility
- External monitoring of the product
- Machine and manual installation possible
- BAST-listed system

Kebuflex BR 2 is a waterproofing layer under mastic asphalt and is mainly used for bridge structures, parking decks or in the area of application of DIN 18533.

Kebuflex BR 2 consists of a high-lying polyester fleece carrier and APP-modified bitumen (plastomer bitumen). The membrane meets the requirements of ZTV-ING Part 7 and is approved without restriction in accordance with Basic Test Certificate VII.1 / 24958 / 1 of the Federal Institute for Materials Research and Testing (BAM).
Kebuflex BR 2 is applied over the entire surface of the bridge waterproofing area in accordance with ZTV-ING Part 7, with an epoxy resin as a primer or sealer.

System setup



Storage

The **Kebuflex BR 2** welding sheets must be stored upright, protected from moisture, heat and UV radiation.

Disposal

Waste from bitumen and polymer bitumen membranes can be disposed of in accordance with the harmonized Community list of wastes under waste code 170303 "Bitumen mixtures other than those mentioned in 170301". The local official regulations must be observed in all cases.

Form of delivery

	Roll length [m]	Rolls/pallet [-]
Kebuflex BR 2	7,5	15

Large rolls and special lengths on request

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Properties

Product features	Unit	Typical value Excerpt from the BAM test certificate no. VII. 1/24958/1	Requirements of the technical delivery conditions for non-laminated bituminous sheeting
Weight per unit area	g/m²	5339	≥ 4500
Type of insert		Binder bonded polyester fleece	Polyester fleece or woven fabric
Weight of the insert	g/m²	192	≥ 175
Total thickness	mm	4,7	≥ 4,5
Thickness of the adhesive layer	mm	3,2	≥ 3,0
Roll width	cm	99,8	100 Nominal width
Maximum tensile force (longitudinal/transverse/diagonal)	N	1014/662/795	≥ 550
Elongation at maximum tensile force (longitudinal/transverse/diagonal)	%	38/45/40	≥ 30
Watertightness	-	impermeable	impermeable
Cold bending behavior	-	Pass (to – 20 °C)	≤ - 10 °C
Heat resistance	-	Pass (to 130 °C)	No run-off (to 100 °C)
Solid softening point of the melted adhesive mass	°C	151	≥ 150
Tensile bond strength on EP-treated concrete At 8 °C At 23 °C	N/mm²	 2,07 ± 0,21 1,14 ± 0,05	 ≥ 0,7 ≥ 0,4
Shear strength with 23 °C	N/mm²	0,34 ± 0,02	≥ 0,15
Crack bridging Dynamic at – 20 °C after heat exposure (250 °C) Static at 70 °C after heat exposure (250 °C)	 - -	 Pass Pass	 No crack at 0,2 mm No crack at 0,1 mm
Heat resistance when installing the protective layer	-	Pass	Heat resistance at 250 °C (Mastic asphalt)
Stableness when installing the protective layer	-	Pass	≤ 2 mm
Tear-off resistance at 23 °C	N/mm²	1,44 ± 0,04	Determine values
Tear-off resistant strength after thermal load, temperature change and water exposure at 23 °C	N/mm²	1,08 ± 0,21	Determine values
Shear strength after thermal stress, thermal shock and water stress at 23 °C	N/mm²	0,23 ± 0,03	Determine values

All information corresponds to the current state of the art, but is subject to change without notice.

The information in this publication is based on our knowledge and experience. The information given and the instructions for use have been compiled to the best of our knowledge on the basis of our tests and experience. Best results are achieved by proper and professional use of our products. Any industrial property rights as well as existing laws and regulations are to be observed by the recipient of our products on his own responsibility. In all other respects, our general terms and conditions apply. -- Rev.: 00_03.01.2025 --

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