

# Kebuflex BR 2 PRODUCT DATA SHEET

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

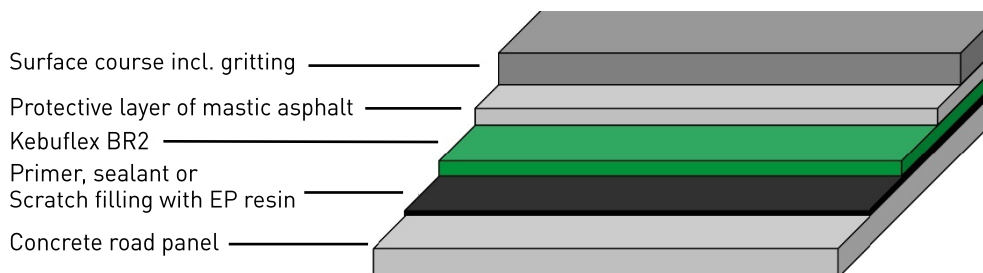


**Kebuflex BR 2** is a waterproofing layer under mastic asphalt and is mainly used for bridge structures, parking decks or in the area of application of DIN 18533.

**Kebuflex BR 2** consists of a high-lying polyester fleece backing and APP modified bitumen (plastomer bitumen). The welding membrane meets the requirements of **ZTV-ING Part 7**. The cable car is approved without restriction in accordance with **the basic test certificate VII.1 / 24958 / 1** of the Federal Institute for Materials Research and Testing (BAM).

The **Kebuflex BR 2** is applied over the entire surface of the system in the area of the bridge waterproofing in accordance with **ZTV-ING Part 7**, with an epoxy resin as a primer or sealant.

## System Setup



## Storage

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

## Disposal

Waste from bitumen and polymer bitumen welding membranes may be disposed of under the waste code 170303 'bitumen mixtures other than those covered by 170301' in accordance with the list of wastes harmonised under Community law. The local official regulations must be observed in any case.

## Delivery forms

	Roll length [m]	roll/palette [-]
<b>Kebuflex BR 2</b>	7,5	15

Large rolls and special lengths on request

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## Properties

Features	Unit	Typical value Excerpt from the test certificate of BAM No. VII. 1/24958/1	Requirements of the Technical Terms and Conditions of Delivery for Non-laminated Bitumen Welding Membranes
Basis weight	g/m <sup>2</sup>	5339	≥ 4500
Type of insole		Polyester fleece binder	Polyester fleece or fabric
Weight of the insole	g/m <sup>2</sup>	192	≥ 175
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 behaviour	-	pass [to - 20 °C]	≤ - 10 °C
Thermal stability	-	pass [to 130 °C]	No expiration (until 100 °C)
Solid-state softening point of the melted adhesive compound	°C	151	≥ 150
Adhesive tensile strength on EP-treated concrete at 8 °C	N/mm <sup>2</sup>	2,07 ± 0,21	≥ 0,7
at 23 °C		1,14 ± 0,05	≥ 0,4
Shear strength at 23 °C	N/mm <sup>2</sup>	0,34 ± 0,02	≥ 0,15
Crack bridging			
Dynamic at - 20 °C after heat stress (250 °C)	-	pass	No crack at 0.2 mm
Static at 70 °C after heat exposure (250 °C)	-	pass	No crack at 0.1 mm
Heat resistance when installing the protective layer	-	pass	Heat resistant at 250 °C (mastic asphalt)
Stability when the protective layer is installed	-	pass	≤ 2 mm
Tear resistance at 23 °C	N/mm <sup>2</sup>	1,44 ± 0,04	Determining values
Tear resistance after heat stress, thermal shock and water stress at 23 °C	N/mm <sup>2</sup>	1,08 ± 0,21	Determining values
Shear strength after heat stress, thermal shock and water stress at 23 °C	N/mm <sup>2</sup>	0,23 ± 0,03	Determining values

All information corresponds to the current state of the art, but is without legal entitlement, subject to technical changes.

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