

# POLYMER-MODIFIED BITUMINOUS TAPE FOR ASPHALT AND CONCRETE JOINTS **BIKUTEKS**



# BIKUTEKS

## POLYMER-MODIFIED BITUMINOUS TAPE FOR ASPHALT AND CONCRETE JOINTS

CE  
EN 14188-1

### DESCRIPTION, TYPES AND CHARACTERISTICS

A homogeneous mixture of polymer-modified bitumen and mineral filler, cast into strips of specific dimensions.

Essential characteristics	Performance/Properties			Harmonized technical specification
	EN method	Units	Value	
Softening point (ring and ball method)	EN 1427	°C	≥ 95	EN 14188-1:2006
Cone penetration at 25°C	EN 13880-2	0,1 mm	40-130	
Density at 25°C	EN 13880-1	g/cm <sup>3</sup>	≥ 1,1	
Penetration and rebound elasticity	EN 13880-3	0,1 mm	≥ 60	
Heat resistance; 168 h/ 70°C	EN 13880-4			
Cone penetration change	EN 13880-4	0,1 mm	40-130	
Penetration and rebound elasticity	EN 13880-4	0,1 mm	≥ 60	
Flow resistance at 60°C/5 h, angle 70°	EN 13880-5	mm	≤ 5	
Reaction to fire	EN 13501-1	euro class	F	
Hazardous substances	does not contain asbestos or tar ingredients			

\*NPD- no performance declared

BIKUTEKS tape is produced in accordance with MKS EN 14188-1 and is available in two variants:

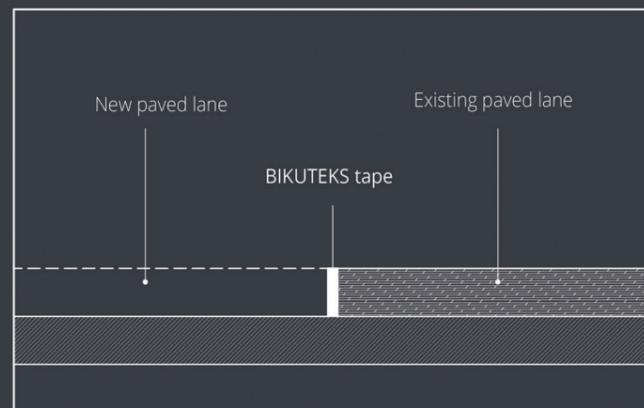
- **BUKITEKS** – polymer-modified bitumen tape applied using a hot method with heating;
- **BUKITEKS S** – self-adhesive polymer-modified bitumen tape applied using a cold method.

It is manufactured in various dimensions depending on the requirements of the client:

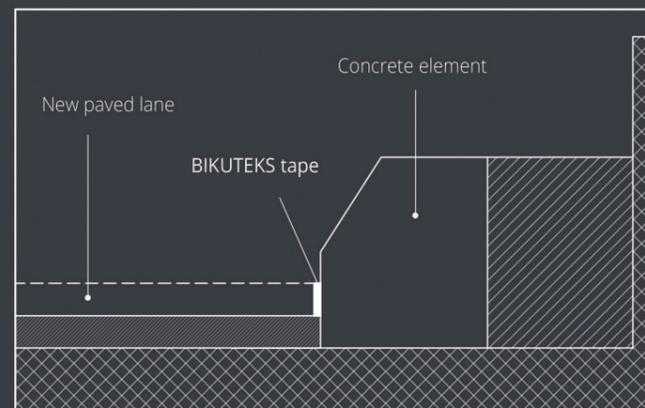
5 × 1 cm; 4 × 1 cm; 3 × 1 cm; 3 × 3 cm; 3 × 2 cm, etc., in rolls of 6 m.

### INTENDED USE

**BUKITEKS** is used as a filler for joints between two asphalt layers, as a joint filler between concrete elements and asphalt on bridges or other pavement structures, and for filling concrete or asphalt joints, etc.



BIKUTEKS on the joint of asphalt with asphalt



BIKUTEKS on the joint of asphalt with concrete

### APPLICATION

1



Before installation of the Bikuteks joint tape, the preparation of the surface where it is installed is very important. The part where the joint will appear from the existing asphalt lane asphalt mixture has the lowest density. This part should be machined cut as precisely as possible and at right angle.

2



After the asphalt section is cut from the paved lane where the asphalt joint should appear, the surface it should be well cleaned of dust by sweeping and with blowing with a compressor, because dust causes weak adhesion of the material to the asphalt.

3



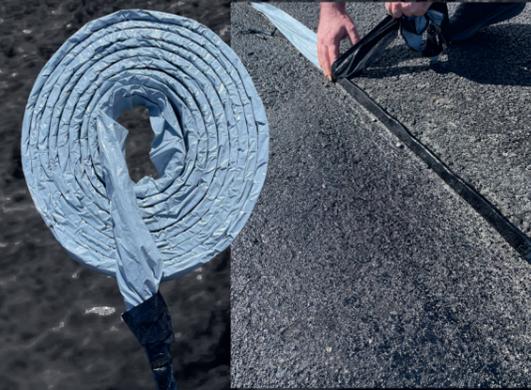
The next recommended step is heating the cleaned joint with burners, in order to heat up the bitumen from the asphalt mixture for a larger adhesiveness with the tape.



**BIKUTEKS** - by a hot procedure with torching

After the substrate is properly prepared, the Bikuteks tape that is packed in rolls is unrolled and the installation is started to the side of the incision. Application is done with special burners which torch propane butane gas under high temperature and melt the protective PE foil of the tape and partially the bituminous mass.

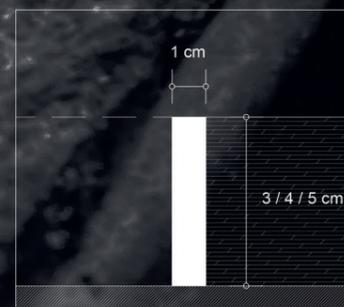
Parallel on torching, the tape should be pressed on the vertical incision using an auxiliary tool – rounded bars that are resistant to high temperatures. During installation, the outer PE foil is also melted and with paving a new lane, the temperature of the asphalt it dissolves Bicuteks more easily.



**BIKUTEKS S** - self-adhesive by a cold procedure

Bicuteks S self-adhesive tape is protected with siliconized foil that is easily removed during installation. After start of installation parallel silicone foil of the tape pulls out and the tape is pressed into the incision. It is recommended after the Bikuteks S tape installation, to be pressed over it again with curved bar to ensure the adhesiveness of the tape.

At lower temperatures, mostly due to the urgency of the projects if self-adhesive tape Bikuteks S is installed, it is recommended before installing, minimally pass with a torcher, after removing the silicone foil.



The thickness of the Bikuteks tape is 1 cm, and the height is different depending on customer needs or the thickness of the final asphalt layer. The installation of Bikuteks tape should be in height with the finishing asphalt layer.

#### WARNING :

Bikuteks tape should NOT be installed in weather conditions:

- Of rain, dew or humidity in fog;
- If the relative humidity of the air is above 85%;

Bikuteks tapes that are installed with heating, the lowest operating temperature of the substrate should be + 10 °C and of the air + 10 °C. The self-adhesive bitumen tapes Bikuteks S that are installed by cold procedure, the lowest operating temperature of the substrate should be + 20 °C and of the air + 20 °C.





FACTORY FOR PRODUCTION OF  
BITUMEN WATERPROOFING MATERIALS

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