

# Data sheet - series FK



## **PRODUCT SPECIFICATION**

SK H2O protec clamped waterstops type FK according to DIN 7865, part 2 are a permanently flexible profiles made of elastomer, SBR or EPDM, that are used as replacement sealing in waterproof concrete structures with large movements and high water pressures.

For subsequent sealing of joints using loose-type flange or fixed flange constructions.

## **Characteristics / Advantages**

- high tensile strength and elongation at break
- high permanent flexibility and high-load bearing capacity
- resistant to all natural media acting aggressively to concrete
- resistant to a wide range of chemical substances (tests required for each additional specific situation)
- resistant to bitumen
- supply of systems for easy handling on site
- vulcanizable by using butt joints on site

## **Application**

- joint sealing in concrete structures
- sealing system for in-situ concrete

### Typical structures

- underground car parks, bridges, trough and bridge constructions
- rail tunnels and road tunnels
- water construction plants

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## **Standards / Directives**

- DIN 18197
- DIN 7865, part 2
- WU-Directives DAfStb
- ZTV-ING, Riz-Ing
- Vulcanizing instructions

## **Test certificate / Approvals**

- latest manufacturer's test certificate
- certificate of conformity - DIN 7865
- external monitoring by MPA NRW
- internal monitoring

## **PRODUCT DATA**

### **Material**

- SBR elastomer (styrene butadiene rubber)
- EPDM elastomer (ethylene-propylene-diene monomer)

### **Colour**

- black

### **Packaging**

- supplied as standard rolls (25 m and 50 m)

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## MECHANICAL PROPERTIES according to DIN 7865, part 2

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**Shore A hardness**

62 ± 5

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**Tear strength**

≥ 10 MPa

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**Elongation at break**

≥ 380 %

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**Compression set**

168h / 23°C ≤ 20%  
24h / 70°C ≤ 35%

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**Tear propagation resistance**

≥ 8 kN/m

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**Performance after heat ageing**

Shore A hardness change ≤ 8  
Tear strength ≥ 9 MPa  
Elongation at break ≥ 300%

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**Low temperature performance**

≤ 90 Shore A

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**Tension set**

≤ 20%

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**Performance after conditioning in  
hot bitumen**

Residual deformation < 20%  
Tear strength ≥ 7 MPa  
Elongation at break ≥ 300%

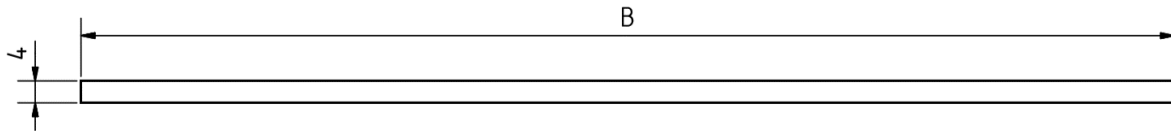
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**Performance after ozone ageing**

No cracks

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Type	Dimension B
FK 200	200
FK 250	250
FK 300	300
FK 350	350
FK 400	400
FK 500	500
FK 700	700
FK 1000	1000

All dimensions in mm

