

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)

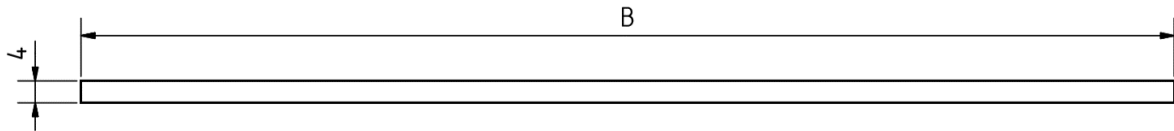
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MECHANICAL PROPERTIES according to DIN 7865, part 2

Shore A hardness	62 ± 5
Tear strength	≥ 10 MPa
Elongation at break	≥ 380 %
Compression set	168h / 23°C ≤ 20% 24h / 70°C ≤ 35%
Tear propagation resistance	≥ 8 kN/m
Performance after heat ageing	Shore A hardness change ≤ 8 Tear strength ≥ 9 MPa Elongation at break ≥ 300%
Low temperature performance	≤ 90 Shore A
Tension set	≤ 20%
Performance after conditioning in hot bitumen	Residual deformation < 20% Tear strength ≥ 7 MPa Elongation at break ≥ 300%
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

All dimensions in mm

