Data sheet - series A - WN

SK H₂O protec
new science. balanced nature.

**PRODUCT'
SPECIFICATION**

SK H2O protec construction waterstop series A according to factory standard is a permanently flexible sealing profile made of thermoplastic polymer, PVC-P, that is used to seal construction joints in waterproof concrete structures with high water pressures.

**Characteristics /
Advantages**

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

Application

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

Typical structures
- commercial buildings, cellars, underground car parks

Data sheet - series A - WN

Standards /
Directives
- general appraisal certificate
- Works standard
- WU- Directives DAfStb
- Welding instructions

Test certificate /
Approvals
- general appraisal certificate
- external monitoring by MPA NRW
- internal monitoring

PRODUCT DATA

Material
- PVC-P (Polyvinyl chloride with plasticizer / P: plasticized)

Colour
- black

Packaging
- supplied as standard rolls (25 m), pre-cuts and systems

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MECHANICAL PROPERTIES **according to factory standard**	
Shore A hardness	72 ± 5
Tensile strength	≥ 10 MPa
Elongation at break	≥ 275 %
Tear propagation resistance	≥ 12 kN/m
Low temperature performance	Elongation at break at -20°C $\geq 200\%$
Performance after weathering valid change of average values relative to the initial value	Tensile strength $\leq 20\%$ Elongation at break $\leq 20\%$ Modulus of elasticity $\leq 50\%$
Performance of the weld at shear test **short-term joining factor ʃz**	break outside of weld $\geq 0,6$
Fire behaviour values differing for bitumen compatibility	class B2

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SK H$_2$O^{protec}
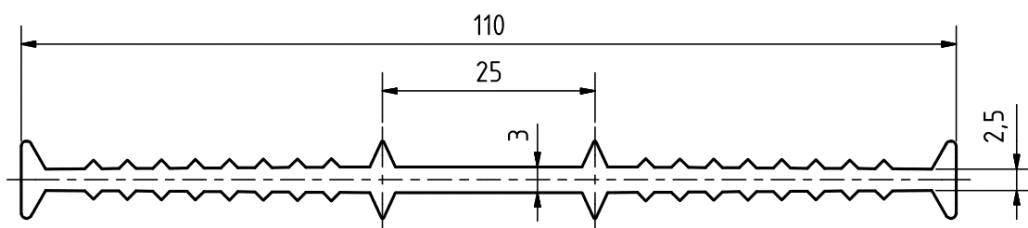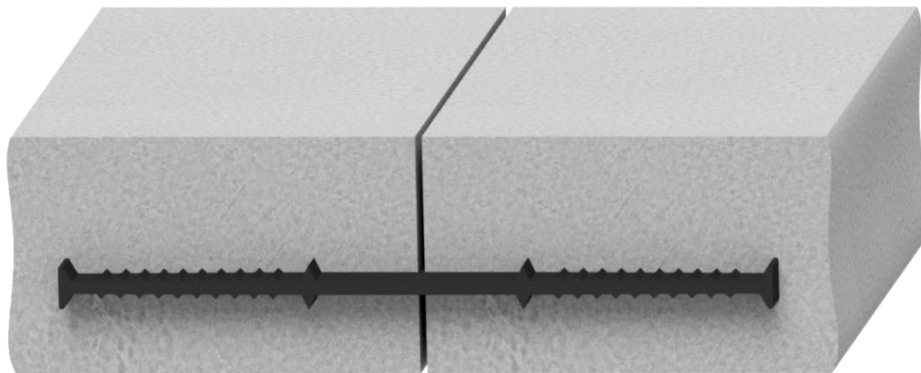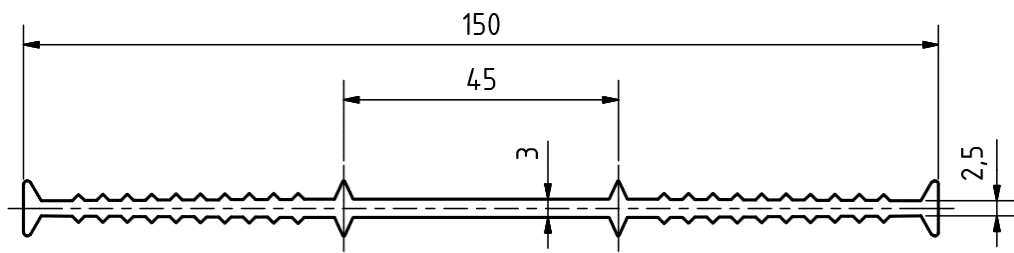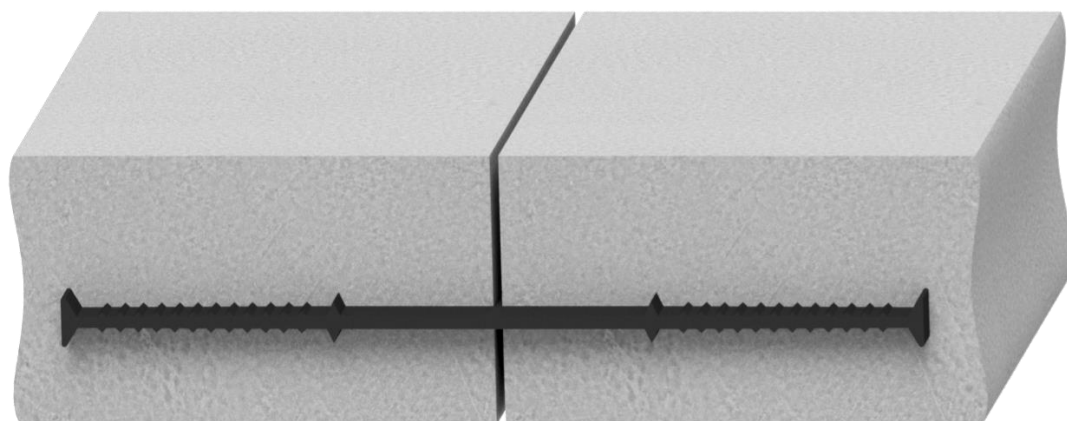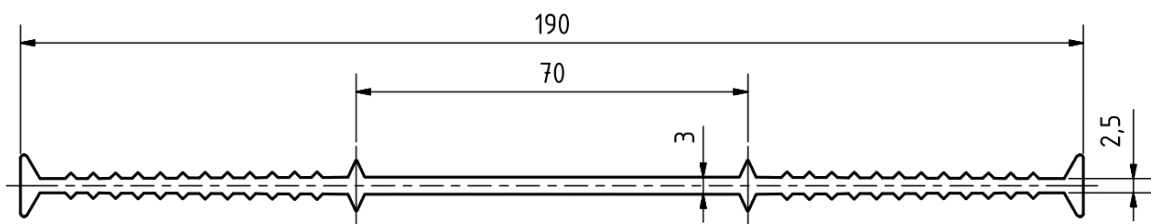new science. balanced nature.

A 10
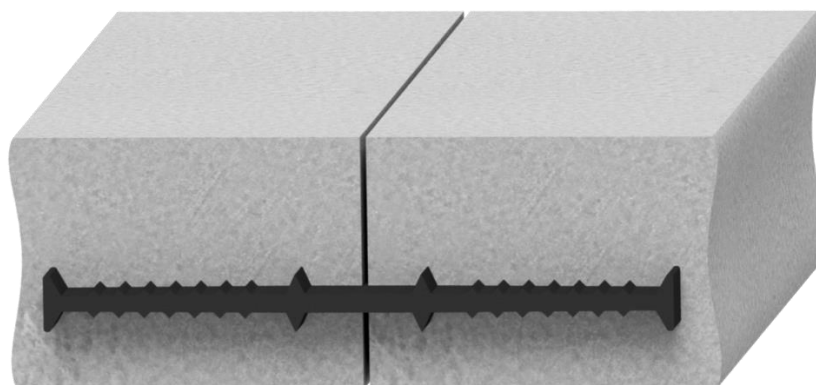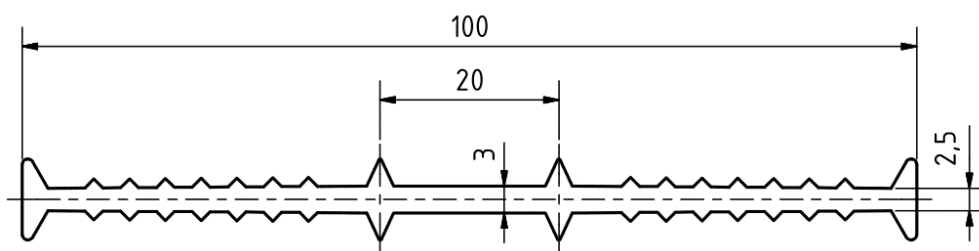
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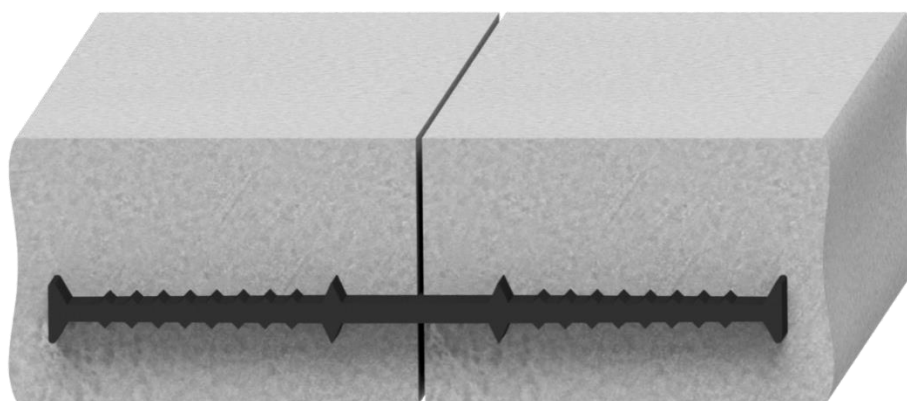
All dimensions in mm
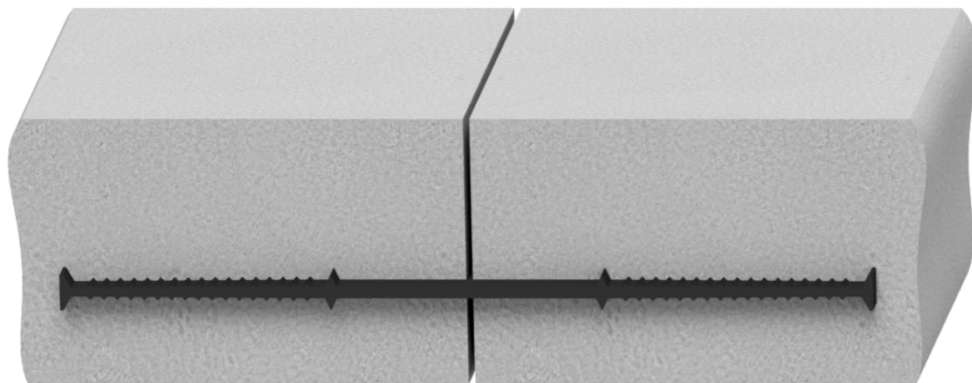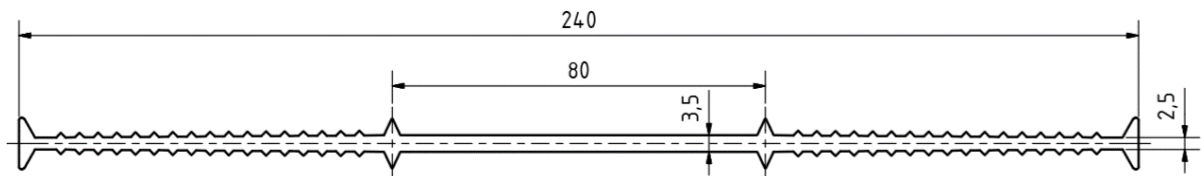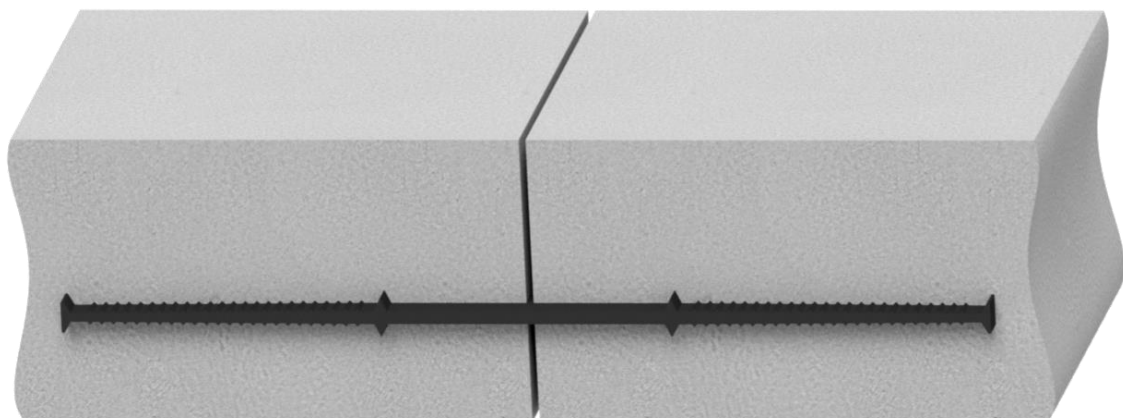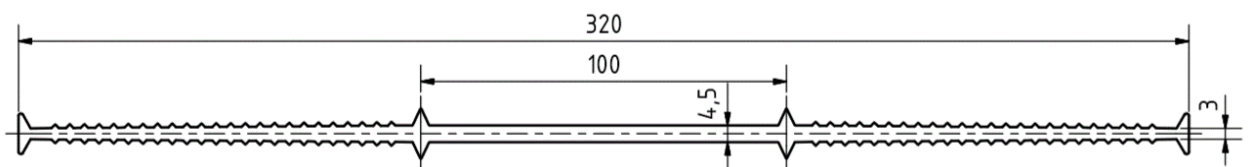
Data sheet - series A - WN

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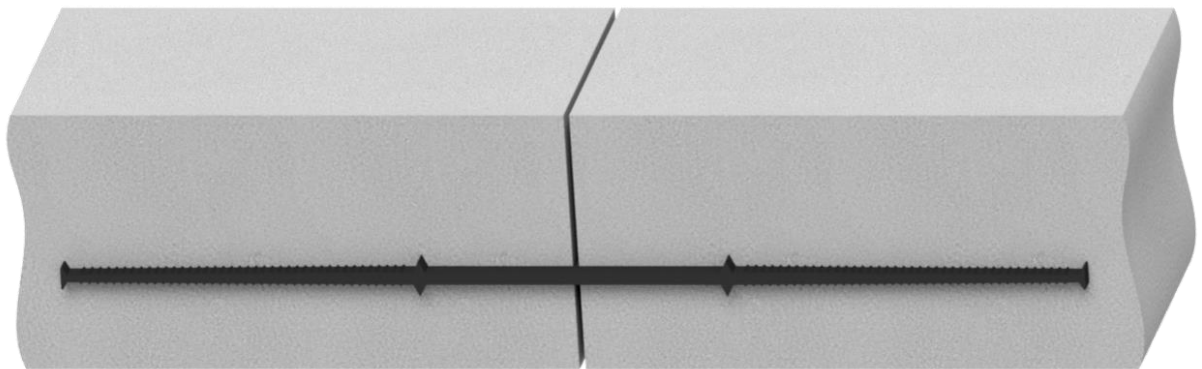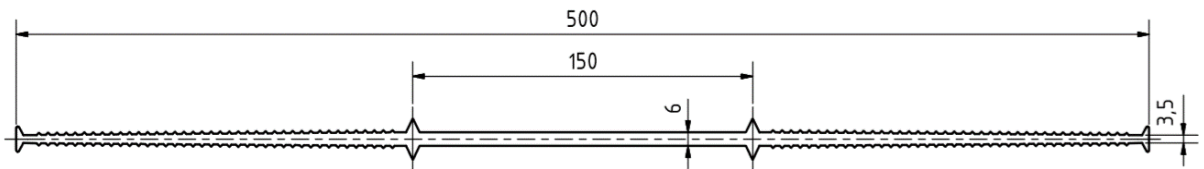

A 19

All dimensions in mm

Data sheet - series A - WN

A 24

A 32

All dimensions in mm

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A 50

All dimensions in mm