Data sheet - series AA - DIN

PRODUCT' SPECIFICATION

SK H2O protec construction waterstop series AA according to DIN 18541, part 1 and 2, is a permanently flexible sealing profile made of thermoplastic polymer, PVC-P or PVC-NBR, 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 large 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 AA - DIN

Standards / Directives	▪ DIN 18197 ▪ DIN 18541, part 1 and 2 ▪ WU- Directives DAfStb ▪ Welding instructions
Test certificate / Approvals	▪ latest manufacturer's test certificate ▪ certificate of conformity - DIN 18541 ▪ external monitoring by MPA NRW ▪ internal monitoring

PRODUCT DATA

Material	▪ PVC-P (Polyvinyl chloride with plasticizer / P: plasticized) ▪ PVC-NBR (Polyvinyl chloride - Nitrile butadiene rubber)
Colour	▪ black
Packaging	▪ supplied as standard rolls (25 m), pre-cuts and systems

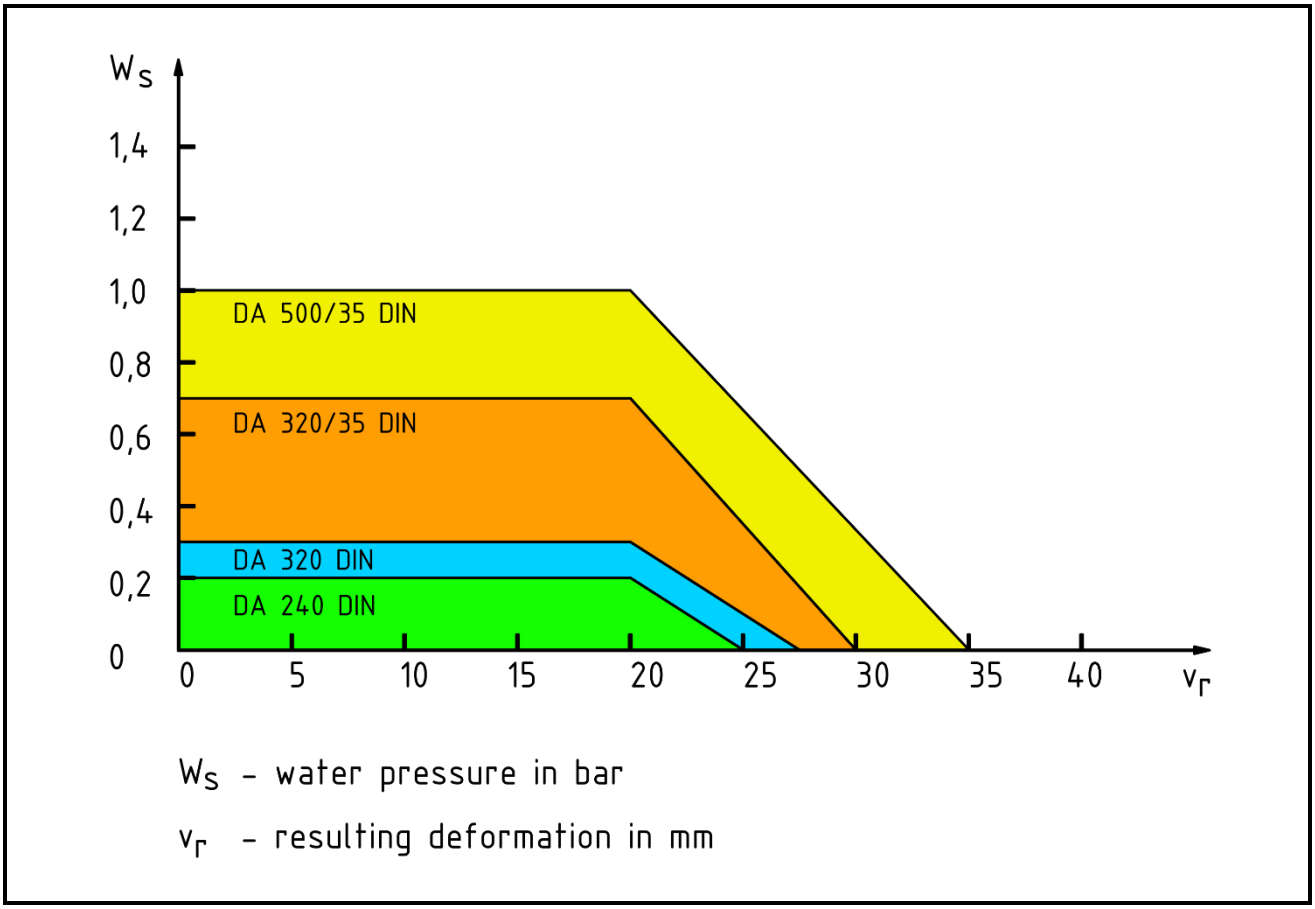
Data sheet - series AA - DIN

MECHANICAL PROPERTIES according to DIN 18541, part 2	
Shore A hardness	67 ± 5
Tensile strength	≥ 10 MPa
Elongation at break	≥ 350 %
Tear propagation resistance	≥ 12 kN/m
Low temperature performance	Elongation at break at -20°C ≥ 200%
Performance after weathering valid change of average values relative to the initial value	Tensile strength ≤ 20% Elongation at break ≤ 20% Modulus of elasticity ≤ 50%
Performance of the weld at shear test short-term joining factor f_z	break outside of weld ≥ 0,6
Fire behaviour	class E
Performance after storage in bitumen	Tensile strength < 20% Elongation at break < 20% Modulus of elasticity < 50%

Data sheet - series AA - DIN

Selection diagram

for waterstops acc. to DIN 18541, part 1 and 2

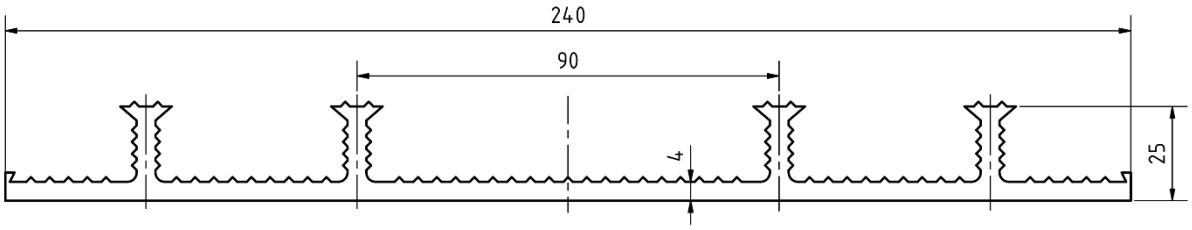


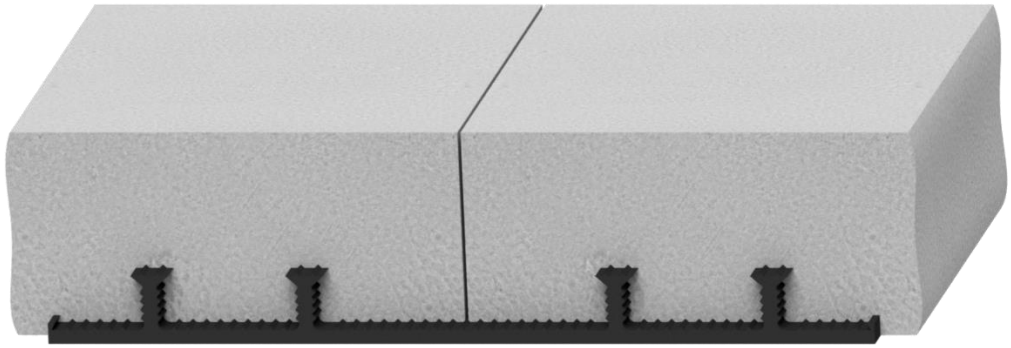
excerpt from DIN 18197:2018-01

For exterior construction joint waterstops, their geometry (number of anchors and height) is based on the corresponding specifications for exterior expansion joint waterstops in the event of exposure to soil moisture, non-pressing water or pressing water.

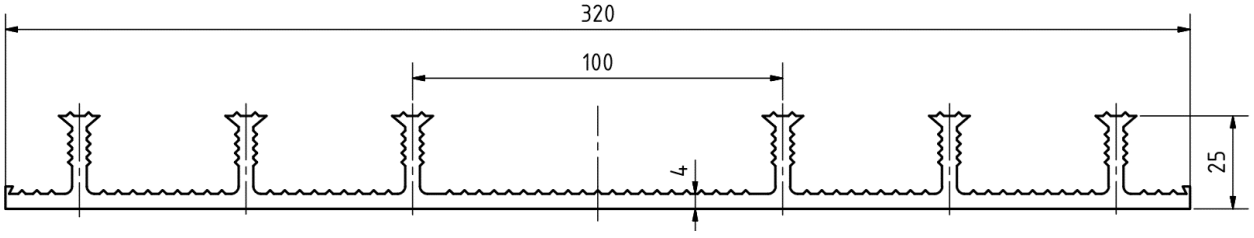
Data sheet - series AA - DIN

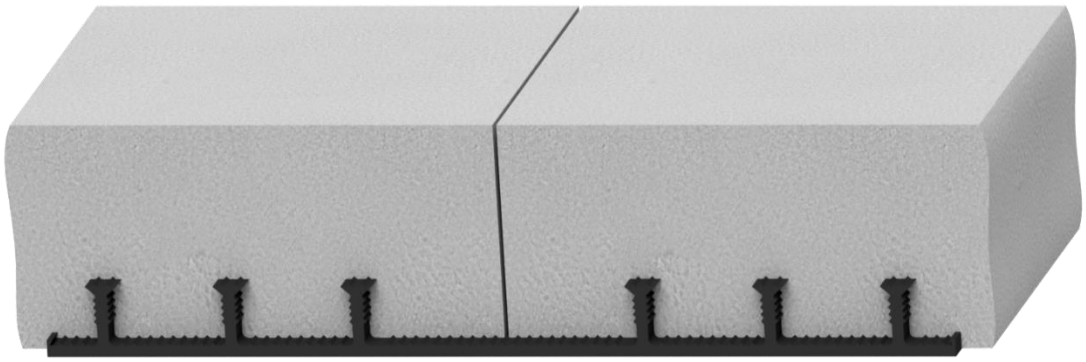
AA 240 DIN





AA 320 DIN

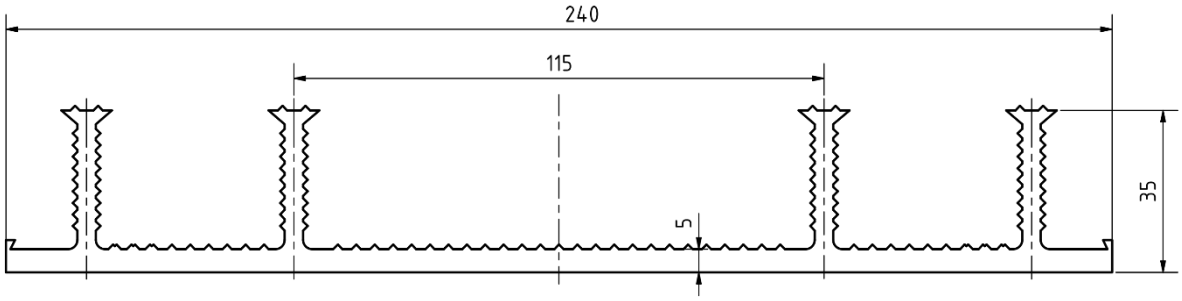


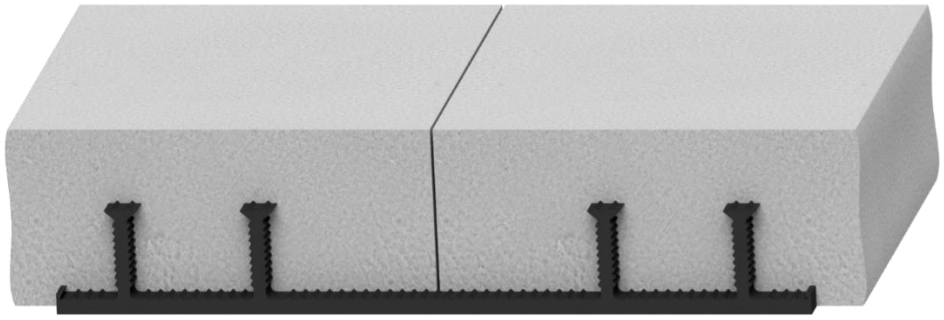


All dimensions in mm

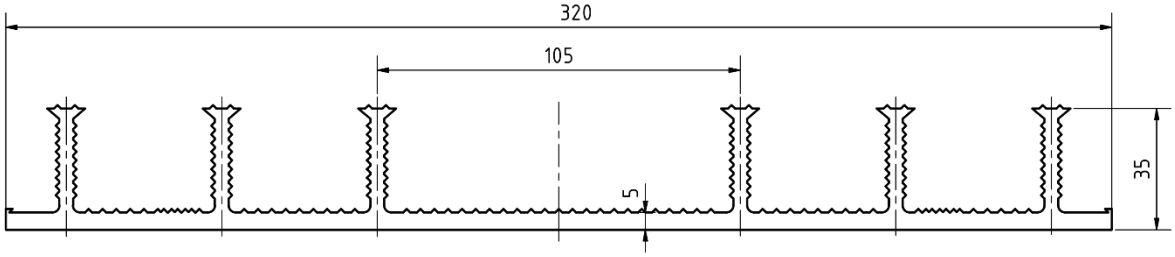
Data sheet - series AA - DIN

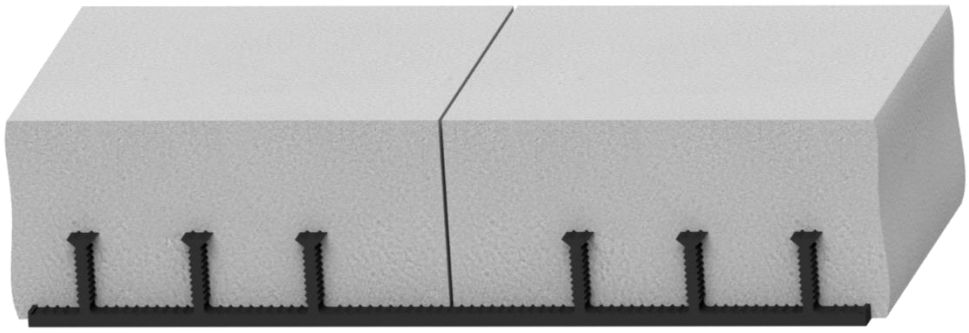
AA 240/35 DIN





AA 320/35 DIN

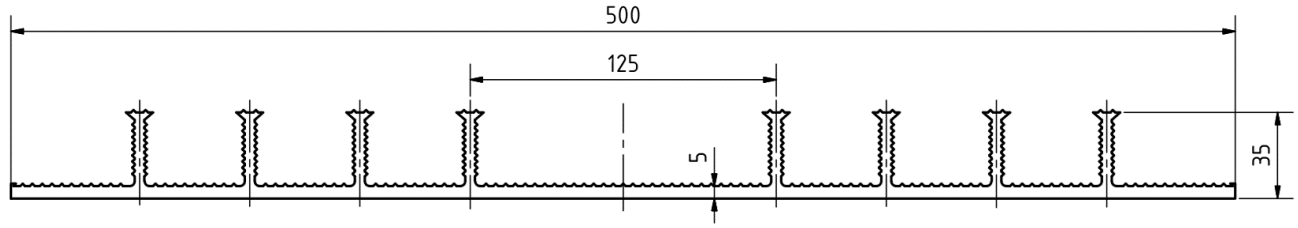


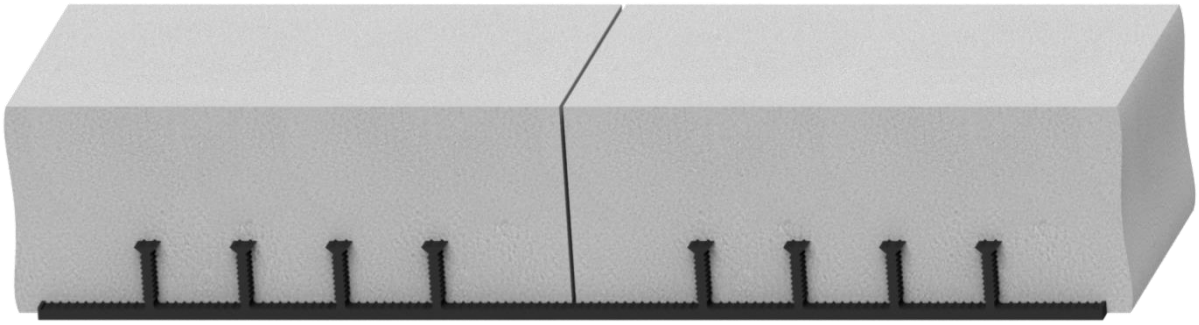


All dimensions in mm

Data sheet - series AA - DIN

AA 500/35 DIN





All dimensions in mm