Data sheet - series A - DIN

PRODUCT' SPECIFICATION

SK H2O protec construction waterstop series A 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 A - 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

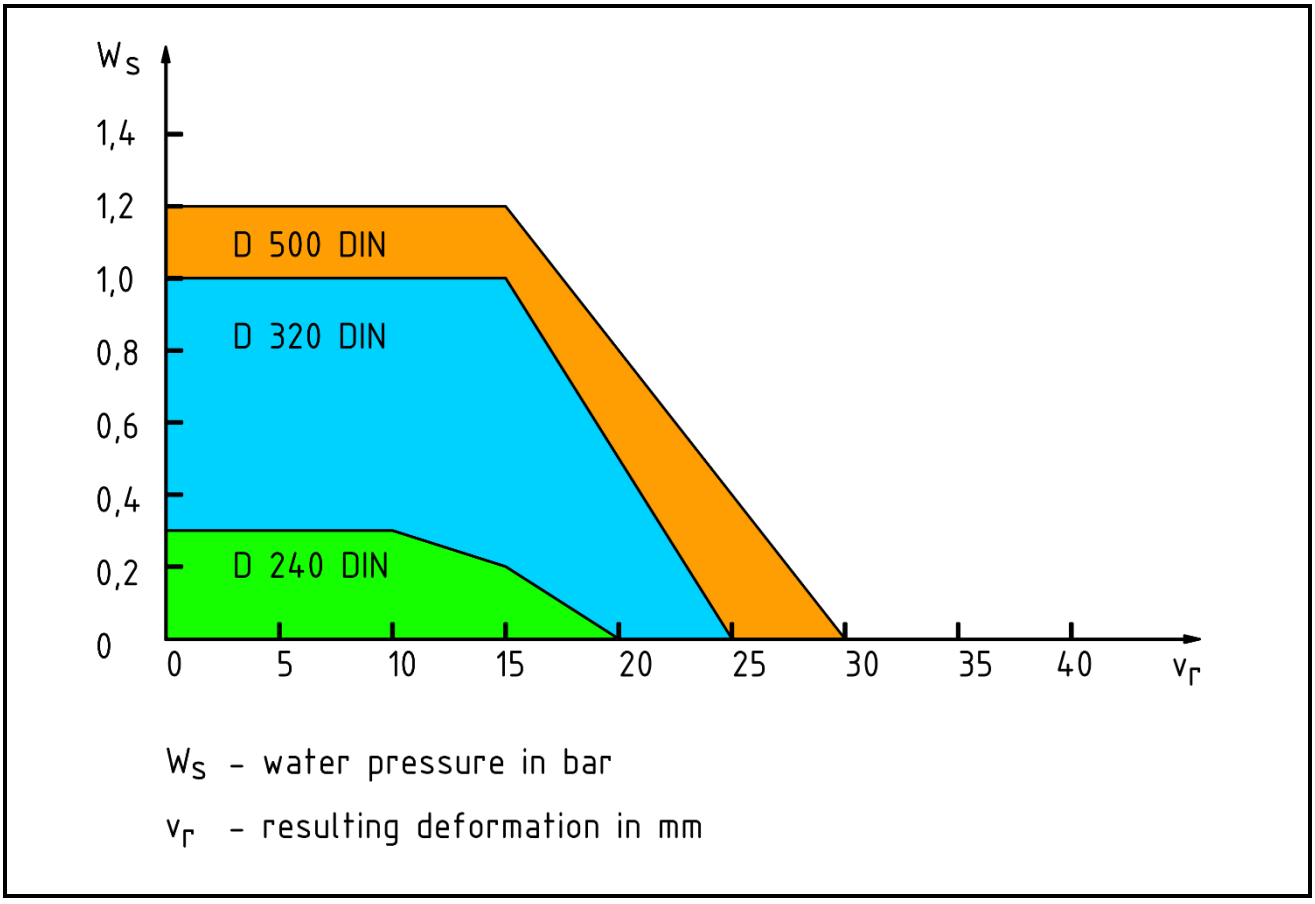
Data sheet - series A - DIN

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 A - DIN

Selection diagram

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

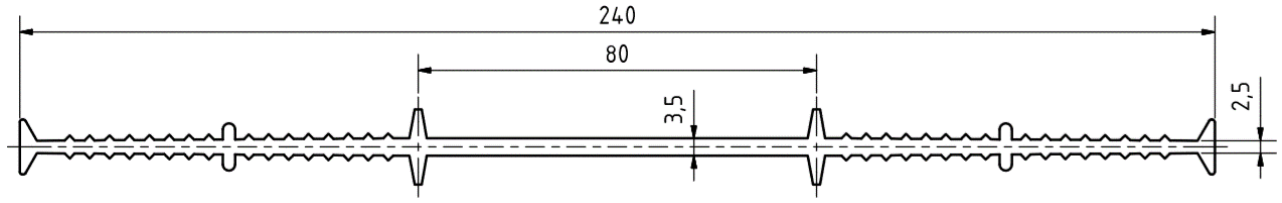


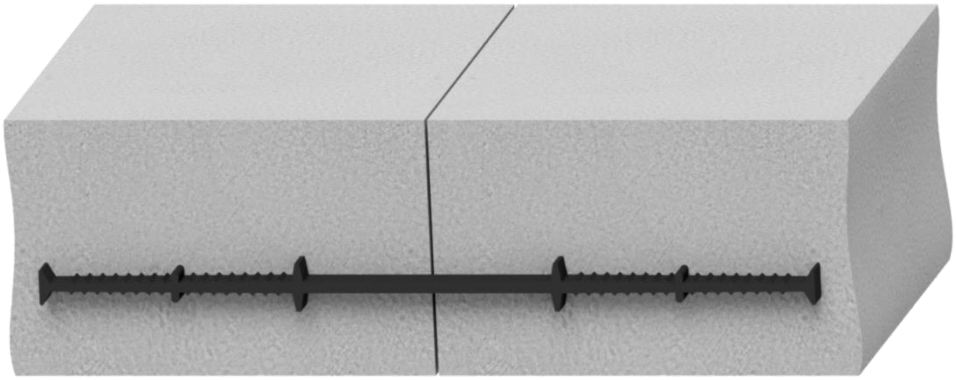
excerpt from DIN 18197:2018-01

For interior thermoplastic construction joint waterstops according to DIN 18541, the permissible water pressure specified for interior thermoplastic expansion joint waterstops at vr = 0 mm may be increased by 80 %.

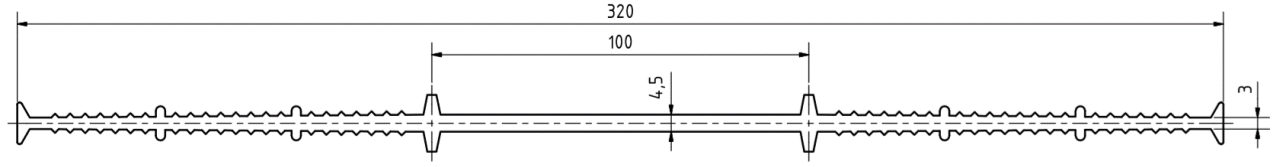
Data sheet - series A - DIN

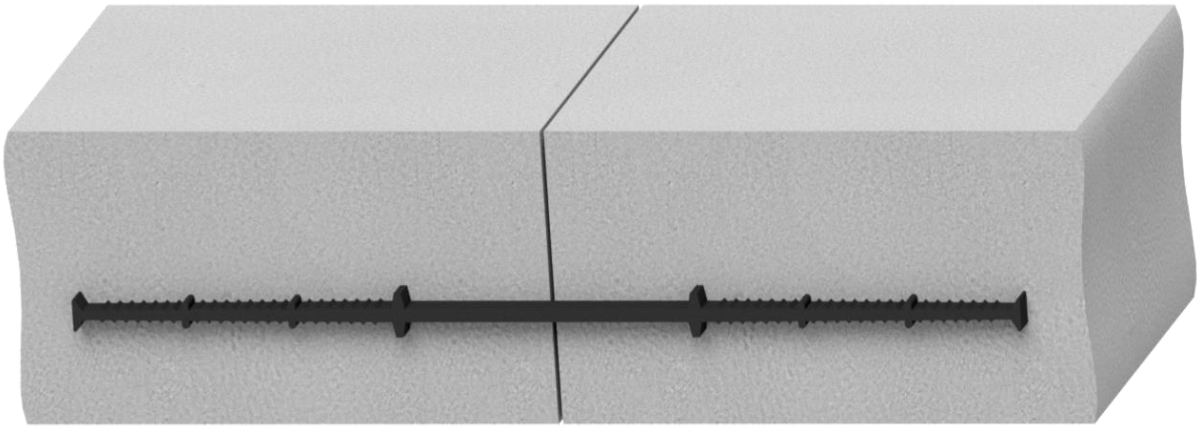
A 240 DIN





A 320 DIN

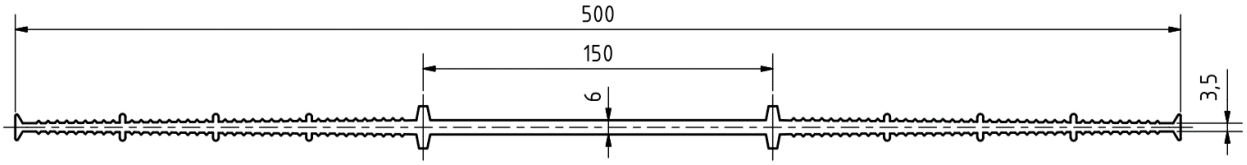


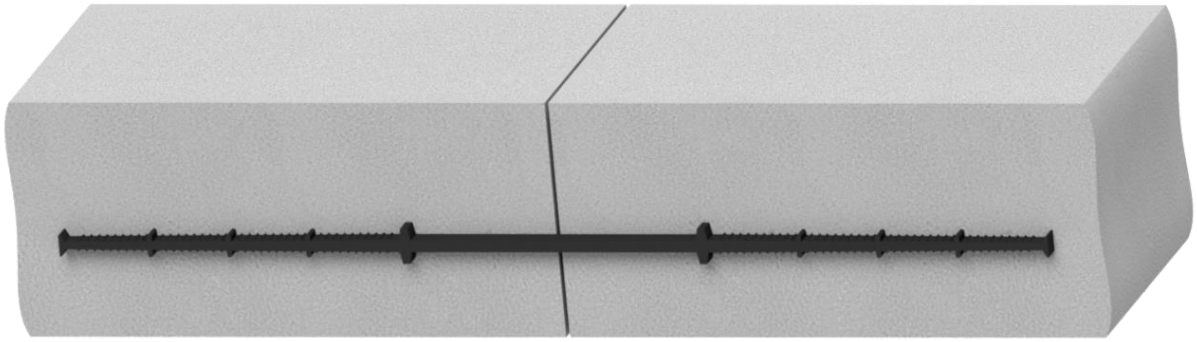


All dimensions in mm

Data sheet - series A - DIN

A 500 DIN





All dimensions in mm