BUILDING COMFORTS™
The Water Proofing Company

TECHNICAL DATA SHEET
22 OCTOBER 2026

P100 SWELL BAR

Hydrophilicwaterstopforconcreteconstruction joints

20 mm x 10 mm| 10 m per roll |BLUE | MADE IN KOREA

PRODUCT DESCRIPTION

P100 Swell Baris a hydrophilic modifiedpolymer rubber strip designed to seal low-movement concrete construction joints. On contact with water, the strip swells within the confined joint to form a compression seal that restricts water ingress.



FEATURES & APPLICATIONS

- Water-reactiveswelling actionand simple butt-joint installation.
- Suitable for foundation walls, slabs, precast panels, manholes, pipe connections, box culverts and water-retaining structures.
- Designed for confined construction joints with limited movement

PROPERTY	TYPICAL VALUE
Material	Modified polymer rubber
Profile / roll length	strip 20 mm x 10 mm / 10 m
Colour / origin	Blue / Korea
Solid content	85%
Service temperature	-30°C to +50°C
Tensile strength	20 kgf/cm²
Elongation	Above 450%
Volume expansion rate	Above 300%
Water pressure resistance	5 bar
Saline water resistance	Resistant
Density at 20°C	1.20 g/cm³

INSTALLATION

Prepare sound,smooth concrete free of dust, oil, release agents and loose material. Install centrally in the joint with at least 75 mm concrete cover in all directions. Fix continuously with a compatible adhesive and make tight butt joints at ends, corners and intersections. Protect against premature wetting before the next concrete pour.

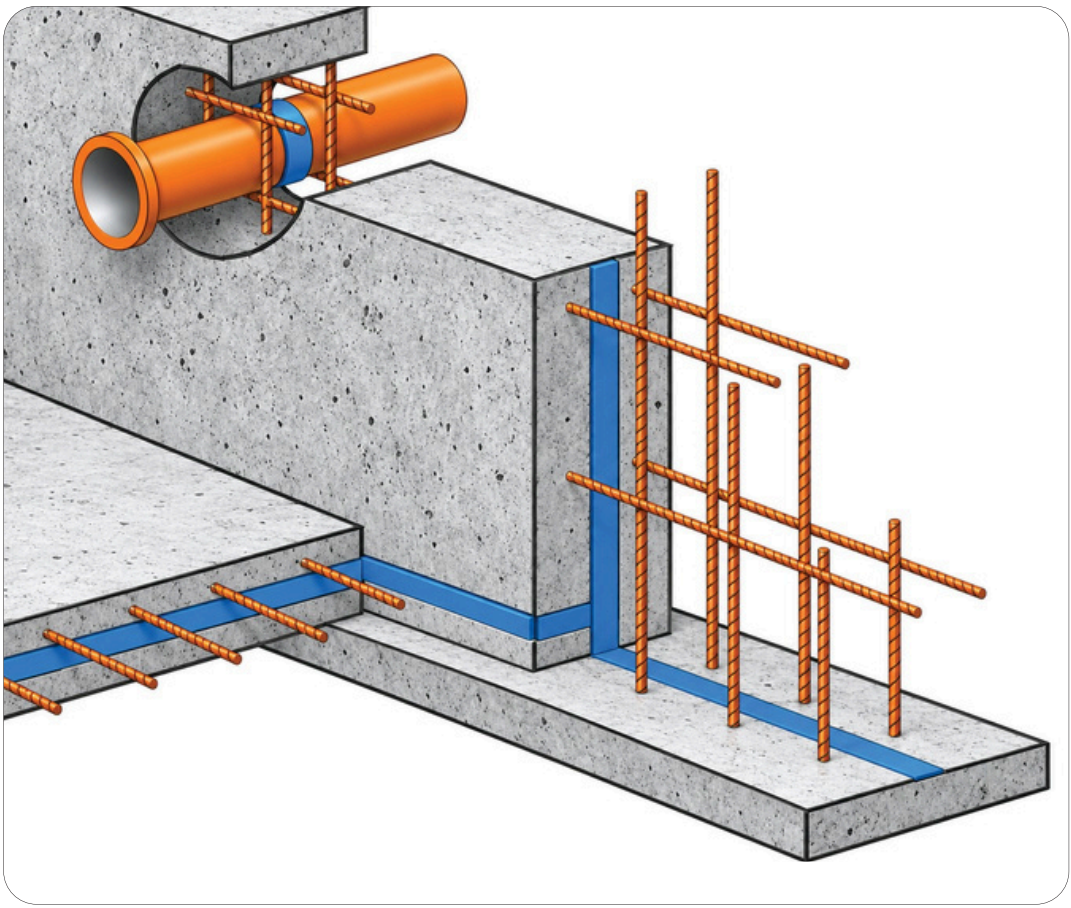
PACKAGING & STORAGE

Suppliedin 10 mrolls, 20mm x 10mm profile. Store sealed, dry and frost-free, away from direct sunlight and moisture. Reference shelf life: 24 months in suitable storage. Safety: Observe the applicable Safety Data Sheet and standard site handling precautions.

Technical values and installation guidance are adapted from the supplied reference sheet; they are typical reference values, not a P100-specific test certificate. Confirm suitability and product-specific performance for the intended application before use.

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INSTALLATION SKETCH



Blue profile: P100 Swell Bar

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Illustrative arrangement from the supplied data sheet. Sketch is not to scale.
Install in accordance with the project joint details and required concrete cover.