



TRP
Machine & Tools

SEALING STRENGTH. BUILDING TRUST.

SWELLABLE WATER BAR

ADVANCED SWELLING WATERSTOP

TRP Swellable Water Bar is a hydrophilic sealing strip that expands upon contact with water. It is used in construction joints to prevent the passage of water. When placed in a concrete joint, it absorbs water and swells to form a tight seal, even under high hydrostatic pressure.



**WATER
TIGHT**



**RELIABLE
SEALING**

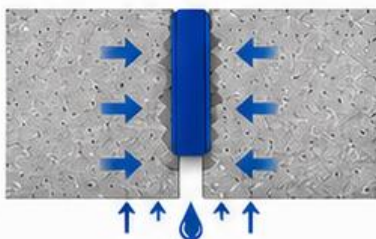


**EASY
INSTALLATION**



**DURABLE &
LONG LASTING**

HOW IT WORKS



Upon contact with water, the water bar absorbs moisture and expands, creating a pressure seal within the joint and preventing water penetration.

KEY BENEFITS

- ✓ Designed to swell in presence of water and form a watertight seal.
- ✓ Used in construction and expansion joints in concrete structures.
- ✓ Protects structures from water ingress, seepage and leakage.
- ✓ Ideal for below ground and water retaining structures.

MATERIAL SPECIFICATION

Base Material	Hydrophilic Rubber
Chemical Composition	Special blend of hydrophilic polymers and rubber compounds
Color	Blue / Red
Density	1.25 – 1.35 g/cm ³

TECHNICAL SPECIFICATION

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Swelling Capacity (in Water)	ASTM D471	%	≥ 300%
Swelling Pressure	ASTM D471	bar	≥ 7 bar
Tensile Strength	ASTM D412	MPa	≥ 1.5 MPa
Elongation at Break	ASTM D412	%	≥ 250%
Hardness (Shore A)	ASTM D2240	–	25 – 40
Service Temperature	–	°C	-20°C to +60°C



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