

## TECHNICAL DATA SHEET (TDS)

**Hydrophilic water stop based on synthetic rubber that acts as a watertight sealing for construction joints with excellent swelling capabilities. Especially developed for delayed swelling in rain water. Retains its own shape after multiple dry-wet cycles. Mechanical fixation is recommended with BeSealed fixing glue for water swellable sealing profiles. Alternatively, Polybar+ RP can be fixed by nailing.**

### USE

- Designed for the easily applied sealing of construction joints in concrete and reinforced concrete construction. POLYBAR+ RP seals against non-pressing and pressing ground water up to 6 bar. POLYBAR+ RP can be used in repeated wet and dry cycles.
- The sealing bars should in all instances be square butted and tight to ensure a continuous section with a minimum of 60mm concrete cover.
- POLYBAR+ RP can be applied both vertically and horizontally but under no circumstances should it be used in expansion joints.

### DESCRIPTION

- Swellable water stop based on synthetic rubber that acts as a watertight sealing for construction joints with excellent swelling capabilities. POLYBAR+ RP retains its own shape after multiple wet and dry cycles. Especially designed for delayed swelling
- POLYBAR+ RP has a good resistance to a wide range of chemicals. Final confirmation about compatibility under specific conditions can be obtained from our technical dept.
- The product remains consistent in its performance throughout its life cycle and the flexibility allows it to fill voids and cracks in the immediate surrounding area.

## APPLICATION

- Mechanical fixation is recommended with BeSealed fixing glue. Alternatively, the Polybar+ RP sealing bar is fixed by nailing at approx. 300mm centres.
- The product can be adhered to concrete, steel and PVC pipe penetrations with BeSealed fixing glue.
- The fixing glue ensures a good bond even on slightly uneven surfaces and wet concrete surfaces (See separate TDS for detailed information)
- The use of a tying wire around POLYBAR+ RP in the case of securing it to PVC pipes is also recommended in conjunction with the adhesive.
- For salt water environment, in polluted water conditions and in contact with manure and slurry, we recommend POLYBAR+ Salt (See separate TDS).

## TECHNICAL DATA\*

Volume expansion in rain water after 2 days	100%
Volume expansion in rain water (equilibrium)	250%
Volume expansion in concrete water	200%
Colour	Black
Hardness	40-45° Shore A
Tensile strength	>2 MPa
Elongation	>400%
Density	1,23 g/cm <sup>3</sup>
Temperature range	-20 +75°C
Weather resistance	Excellent
Chemical resistance	Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels, with vegetal oils and strong aromatic solvents. Contact our sales department for detailed specific information.

\* indicative values – no specifications

## SIZES AND PACKAGING



Size	Roll	In a box	Boxes / pallet
20 x 5 mm	10m	5 x 10m	60

## CERTIFICATES

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## SAFETY

The safety datasheet is available on request at [info@besealed.com](mailto:info@besealed.com)