

PRODUCT DESCRIPTION

Danterr's Polybar+ is a high-performance hydrophilic waterstop strip designed to provide reliable waterproof sealing for construction joints in cast-in-situ and precast concrete structures. Manufactured from thermoplastic synthetic rubber, it expands on contact with water to form a durable waterproofing strip seal, helping prevent water seepage through concrete joints.

Developed as an alternative to bentonite waterstops, Polybar+ offers high expansion capacity, excellent elasticity, and long-term stability under repeated wet-and-dry cycles. Its lightweight design, resistance to washout, and customisable profiles make it a dependable solution for demanding concrete waterproofing applications across commercial and civil infrastructure projects.



FEATURES & BENEFITS

- Expands on contact with water to form a reliable seal.
- Maintains performance through repeated wet and dry cycles.
- Resists washout during concrete placement.
- Lightweight and flexible for easy handling and installation.
- Tested to perform under pressure up to 8 bar.

APPLICATIONS

- Construction joints in cast-in-situ concrete.
- Precast concrete joints.
- Water-retaining concrete structures.
- Tunnels and civil infrastructure.
- Concrete structures requiring long-term waterproofing.

PACKAGING & AVAILABILITY

| Code   | Description                              |
|--------|------------------------------------------|
| 134682 | Waterstop Polybar+ 16mm x 4mm x 10m Roll |
| 134689 | Waterstop Polybar+ 10mm x 4mm x 10m Roll |
| 140311 | Waterstop Polybar+ 20mm x 20mm x 5m Roll |
| 140334 | Waterstop Polybar+ 20mm x 30mm x 5m Roll |

INSTALLATION INSTRUCTIONS

- 1. Surface Preparation** - Ensure the concrete surface is clean, sound, and free from dust, laitance, and contaminants.
- 2. Position the Waterstop** - Remove the protective backing from the self-adhesive strip and position the Polybar+ centrally along the construction joint.
- 3. Secure the Strip** - Press the strip firmly onto the concrete to achieve continuous contact and ensure full adhesion along its entire length.
- 4. Form Continuous Joints** - Overlap adjoining strips by 100 mm to maintain a continuous waterproof seal. Do not butt joints.
- 5. Concrete Placement** - Pour concrete carefully to maintain the position of the swellable hydrophilic waterstop throughout the pour.

TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES

| Property            | Specification                                |
|---------------------|----------------------------------------------|
| Product Type        | Self-expanding hydrophilic waterstop strip   |
| Material            | Thermoplastic synthetic rubber               |
| Expansion Type      | Water-activated expansion                    |
| Expansion Capacity  | Very high expansion capacity                 |
| Stability           | High stability after repeated wet-dry cycles |
| Washout Resistance  | Unsusceptible to washing out                 |
| Flexibility         | Lightweight and elastic                      |
| Pressure Resistance | Successfully tested up to 8 bar              |

SAFETY & HANDLING

- Handle with care to prevent damage before installation.
- Store in a cool, dry area away from direct sunlight.
- Keep the product clean and dry until installation.
- Dispose of waste material in accordance with local regulations.