



VYGEO-SWELL

Hydrophilic Swelling Waterstop Strip

DESCRIPTION

VYGEO-SWELL is a hydrophilic swelling waterstop strip designed to prevent water ingress through construction joints in concrete structures.

When exposed to water, the strip expands to form a tight seal within the joint, effectively blocking water penetration. It is suitable for both vertical and horizontal applications in underground and water-retaining structures.

BENEFITS

- Expands upon contact with water to seal joints
- Provides reliable waterproofing for construction joints
- Easy and fast installation
- Good adhesion to concrete substrates
- Maintains performance under long-term wet conditions
- Resistant to groundwater and common chemicals
- Suitable for irregular joint surfaces

APPLICATIONS

- Construction joints in concrete structures
- Basement walls and foundations
- Tunnels and underground structures
- Water tanks and reservoirs
- Precast concrete joints
- Pipe penetrations and service entries

INSTALLATION

- Ensure substrate is clean, dry, and free from dust or loose particles
- Fix the waterstop strip onto concrete using adhesive or nails
- Place the strip continuously along the joint, avoiding gaps
- Ensure sufficient concrete cover (typically ≥ 50 mm)
- Do not install in standing water or during heavy rain
- Protect from premature water exposure before concrete casting

STORAGE & SHELF LIFE

- Store in a cool, dry, and well-ventilated area
- Keep in original packaging until use
- Avoid exposure to moisture before installation
- Shelf life: 24 months



DIMENSIONS & PACKAGING

Parameter	Value
Section size	20×10mm / 30×20mm
Length	80 m
Color	Red
Packaging	80m per box

TECHNICAL DATA

Property		Value	Test Method
Hardness (Shore A)		45±7	GB 18173.3 - 2014
Tensile Strength		≥ 3 MPa	
Elongation at break		≥ 350%	
Volume Expansion ratio		≥ 400%	
Repeated immersion test	Tensile Strength	≥ 2 MPa	
	Elongation at break	≥ 250%	
	Volume Expansion ratio	≥ 300%	
Cold Bending(-20°C, 2h)		No Cracks	

PRODUCT IMAGES

