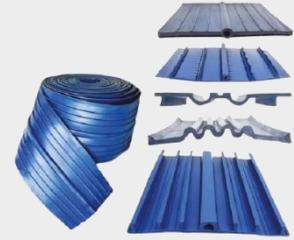


Technical Data Sheet

HR WATER STOPPER

Flexible Waterstop for Construction & Expansion Joints



Product Description

HR Water Stopper is a high-quality flexible waterstop designed for positive waterproofing of construction and expansion joints in concrete structures. It works as a mechanical barrier, effectively preventing water seepage through joints under hydrostatic pressure. The product is ideal for use in water-retaining and water-excluding structures.

Applications

- Construction joints in basements and foundations
- Expansion joints in concrete slabs and walls
- Water tanks, reservoirs, and swimming pools
- Retaining walls and underground structures
- Dams, canals, and sewage treatment plants

Key Features & Benefits

- Provides positive waterproofing
- Acts as a mechanical barrier against water seepage
- Highly flexible to accommodate joint movement
- Excellent resistance to water pressure
- Durable and long-lasting performance
- Easy to install in new concrete construction



Technical Properties

Property	Typical Value	Test Method
Material	PVC / Flexible Polymer	
Color	Blue / Black (as supplied)	
Density	1.3 – 1.5 g/cm ³	
Tensile Strength	≥ 10 MPa	ASTM D638
Elongation at Break	≥ 250%	ASTM D638
Hardness	Shore A 65 ± 5	ASTM D2240
Water Pressure Resistance	≥ 0.5 MPa	
Service Temperature	-20°C to +60°C	



Method of Application

For New Concrete Construction:

Position HR Water Stopper centrally within the construction or expansion joint.

Secure firmly using steel clips, eyelets, or tie wires to prevent displacement.

Ensure half of the waterstop is embedded in the first concrete pour.

After setting, pour the second concrete ensuring full encapsulation.

Surface Preparation

- Ensure shuttering is tight and properly aligned
- Remove dust, oil, and loose particles from the joint area
- Avoid sharp bends or kinks during installation

Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and extreme heat
- Keep away from water and moisture before installation
- Shelf Life: 24 months in unopened packaging

Health & Safety

- Non-toxic under normal conditions of use
- Wear gloves during handling to avoid cuts
- Keep out of reach of children
- Refer to MSDS for detailed safety information



Limitations

- Suitable only for new concrete construction
- Must be properly fixed to avoid displacement during concreting
- Not recommended for chemical-aggressive environments without protection

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and practical experience. Actual performance may vary depending on site conditions, joint design, and installation methods. The manufacturer shall not be held responsible for improper use.

