

Cicowaterstop®PVC

Integral PVC Waterstop System

DESCRIPTION

Cicowaterstop®PVC are made up of high-quality Poly Vinyl Chloride (PVC) material to meet the demands of construction engineers to seal Expansion and Construction/Contraction joints for internal and external purposes.

USES

- For reservoirs, water towers, sewage tanks, dams, culverts, basements, swimming pools, or any other water structures and underground construction areas.
- Suitable as a protective water stop network to prevent ingress of moisture.
- For Internal & External Construction/Contraction and Expansion Joints.

ADVANTAGES

- More durable than any other water stop system.
- Flexible and simple to fix on site.
- Non-toxic, good for potable water tanks.
- Easy to weld as per site dimensional requirement.
- High Ultraviolet (UV) resistance.

STANDARDS COMPLIANCE

ASTM D746, ASTM D570, CRDC 572, BS 6920, BS2782

PACKAGING

SHELF LIFE & STORAGE

Unlimited shelf life if stored under a shaded area, away from sources of heat and flames.

TECHNICAL PROPERTIES

Form	Thermoplastic Extruded rolls
color	Blue
Specific gravity @ 25°C [ASTM D792]	1.35±0.1
Shore A Hardness [ASTM D2240]	65-80
Tensile Strength [ASTM D638]	15.45±1 N/mm ²
Suitability for drinking water	Safe
Elongation	>300 %
Tear resistance	≥ 12 N/mm ²
Service temperature	- 35°C to + 65°C

TYPES OF PROFILES

Expansion Joints	Contraction Joints
Internal Joints	Internal Joints
IO-15	IC-15
IO-20	IC-20
IO-25	IC-25
External Joints	External Joints
EO-15	EC-15
EO-20	EC-20
EO-25	EC-25

APPLICATION CRITERIA

The Cicowaterstop®PVC network, embedded into the reinforced concrete structures, prevents ingress of moisture by acting like a continuous water tight diaphragm, accordingly a properly designed waterstop accommodates the dimensional changes at expansion and construction/contraction joints for any water structure.

INSTALLATION

Cicowaterstop®PVC should be installed in position using eyelet holes (at a normal pitch of 30 cm) to fasten in steel rebars. Also, proper compaction of concrete is required to avoid entrapped air or voids to make full use of waterstop network. Cicowaterstop®PVC Junction Pieces also are available to make the perfect leakproof joints with the help of a hot air gun for welding.

TYPES OF JUNCTION PIECES

Flat 4 ways	90° edge mitre
Flat 3 ways	90° vertical piece
Flat mitre	90° vertical cross type

PRECAUTIONS

Health And Safety

Cicowaterstop®PVC is non-hazardous. Suitable protective goggles gloves and safety shoes should be worn while fixing to the joints. Hot air guns for welding or heater blades for welding should be earthed by color wire to recognize the proper earthing to avoid any electric shock.

TECHNICAL SUPPORT

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.

Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

