

BITUMAT PVC WATERSTOPS

Description:

BITUMAT PVC WATERSTOPS are a range of engineered profiles designed to seal and block water passage at construction or expansion joints. **BITUMAT PVC WATERSTOPS** are produced by virgin (Non Recycled) elastomeric PVC compound. All **BITUMAT PVC WATERSTOPS** are compatible with POLYMAT PVC Membranes being applied as component in the **BITUMAT** Compartment System. **BITUMAT PVC WATERSTOPS** designed for internal sections have brass eyelets for tying to the steel reinforcement before concrete pours.

Field of Application Applications/Use:

WATERSTOPS are used to stop seepage of water at construction and expansion joints in concrete building structures such as, reservoirs, strip & raft foundations, dams, canals, sewage tanks, basements, underground car parks, tunnels, etc.

Material Characteristics:

- High Quality PVC for long durability
 - Stability for keeping upright to allow high concrete pours
 - Different profiles and types available – as per application
 - Compatible with BITUMAT POLYMAT membranes
 - Easy to weld on site
 - Factory prefabricated Junction Pieces
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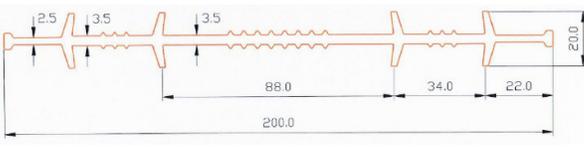
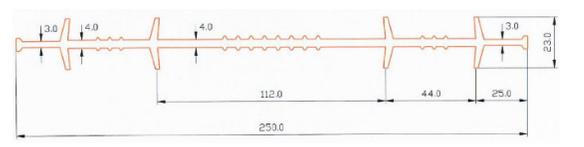
Storage/Shelf Life:

48 Month from production date if stored in shaded conditions at temperatures not exceeding 40°C. Unopened original packaging.

Technical Data:

| Property | Value | Test Standard |
|--------------------------------|--|--|
| Base Material | Polyvinyl Chloride | |
| Tensile Strength | > 13 N/mm ² | ASTM D 638 |
| | > 13 N/mm ² | BS 2782 |
| BS Softness | 40-50 | BS 2782 |
| Shore Hardness | Shore A 80±5 | ASTM D 2240 |
| Water Absorption (% by weight) | 0.06 | ASTM D 570 |
| Elongation at Break | > 300 % | ASTM D 638 |
| | > 300 % | BS 2782 |
| Chemical Resistance | Permanent: | Water, sewage, seawater, road salt solutions |
| | Temporarily: | Diluted inorganic alkalis, mineral acids, mineral oils |
| Alkali Resistance | No peeling, swelling, Blistering or cracking | ASTM D 543 |

Typical Profiles:

| Exemplary Profiles | Typical Values |
|---|--|
|  | <p>ICJ Internal Construction Joint – Center Fix:</p> <p>Width = 200 mm</p> <p>Nom. Thickness approx. 3.5 mm</p> |
|  | <p>ICJ Internal Construction Joint - Center Fix:</p> <p>Width = 250 mm</p> <p>Nom. Thickness approx. 4.0 mm</p> |

Standard Roll Size:

Standard Profiles 15 Meter Rolls

Brief Application Method / Required Tools:

BITUMAT PVC WATERSTOPS can be easily cut with a sharp knife and welded with the help of special jointing equipment directly on site.

- Jointing Jig: Site jointing by wooden jointing jig. Therefore at the time of order type and size have to be mentioned
- Electric Welding: Electric Welding machines (110 or 200 Volts) for efficient site welding.

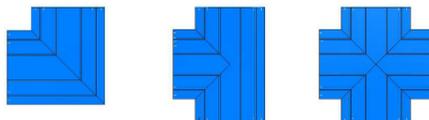
Preparation for Jointing:

- Prepare both sections by assuring proper alignment, well trimmed and clean with water or non-oil solvent if necessary.
 - Welding machine is clean and properly heated.
 - 10 mm of both waterstop ends to be positioned in the jig and held firmly against the heater blade for 20-30 seconds.
 - A 3 mm bead of melted PVC should form along the section. PVC should melt without burning or charring.
 - Heater blade to be removed in a quick upward movement and the heated ends pressed firmly together. Press for at least 20 seconds to form a butt joint.
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Factory Pre-Fabricated Junction Pieces:

Upon request Pre-Fabricated horizontal and vertical Junctions/Intersections are available.

- Horizontal – 2,3 or 4 Way



- Vertical – 2,3 or 4 Way

