

RB P.V.C WATERSTOP



DESCRIPTION:

RB PVC WATERSTOP is high grade P.V.C waterstop used to seal construction and expansion joints in concrete structures. It is available in different sizes and types, depending on their use (such as fluid pressure and type of joint).

APPLICATION

- Sealing construction and expansion joints
- Hydraulic structures
- Underground structures

ADVANTAGES

- High flexibility
- High tensile strength
- Available in many different sizes and types
- High quality for long durability (Chemical resistance)
- Freeze and thaw cycles resistant
- Easy to weld and join on site
- Suitable for high water pressure

PHYSICAL CONSTANTS:

Color:	Yellow
Specific gravity:	1.32 g/cm ³
Tensile Strength	≥10
Elongation	≥300
Shore A hardness:	60-80

STANDARDS:

- ASTM D297, ASTM D412, ASTM D471, ASTM D570, ASTM D572, ASTM D624, ASTM D638, ASTM D746, ASTM D747, ASTM D792,

- ASTM D1171, ASTM D1149, ASTM D1203, ASTM D2240
- DIN 18541-1, DIN 18541-2
- ISIRI 13277-1, ISIRI 13277-2
- CRD C572, CRD C573

WATERSTOP SELECTION:

The selection of a suitable water-stop is governed by the type of joint, location of water-stop, concrete thickness, grade or concrete, reinforcement position, expected movement (expansion / shear) as well as water-head/pressure to which it is to be exposed to. It is supplied in four types of D, A, DA & AA

- Sunken sealing strip for expansion joints (Type D)
- Sunken sealing strip for construction joints (Type A)
- Surfaces sealing strip for expansion joints (Type DA)
- Surfaces sealing strip for construction joints (Type AA)

INSTALLATION

RB PVC WATERSTOP must be installed so that they are securely held in their correct position while the concrete is being poured. The concrete must be fully compacted around the waterstop to ensure that no air holes or porous areas remain. Where reinforcement is present, an adequate clearance must be left to permit correct compaction. Welding and installation of waterstop shall always be coordinated with mould setting and laying of reinforcing bars for the best results.

PLACING OF WATERSTOP

1. waterstop is spliced by cutting the two ends to be joined so that they will butt smoothly together. Use a miter box, or overlap and cut through both pieces at once.
2. Heat both ends to be joined, using an electric splicing iron, until the material melts. For best results, there should be about 4 mm of melted material at the end of each piece, but do not overheat to the

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point that the water-stop becomes a dark color.

3. Press the melted edges firmly together and hold for 15 to 30 seconds until the material cools. Stress should not be put on the spliced joint until the water-stop has completely cooled.

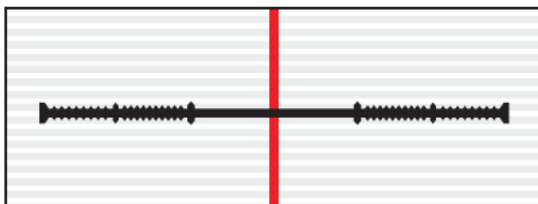
STORAGE

Should be protected from direct sunlight.

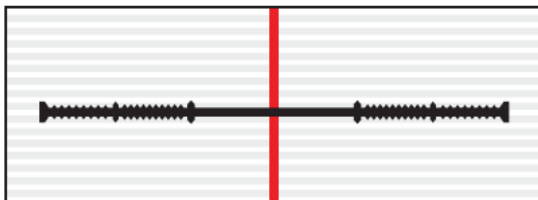
Type D



Type A



Type DA



Type AA

