

# Hydrostop AB

Self supporting PVC waterstops [Formerly known as Aylabar]



## DESCRIPTION

Hydrostop AB are self supporting waterstops extruded from virgin elastomeric polyvinyl chloride rubber, designed in precision engineered profiles to stop any possible leakage from construction, contraction and expansion joints in cast-in-place concrete elements.

The principal advantage of Hydrostop AB is that they are self supporting, which enables their use without the need for tying to reinforcement steel through eyelets.

## APPLICATIONS

Hydrostop AB is suitable for use in construction, contraction and expansion concrete joints in the following structures:

- » Water reservoirs.
- » Waste water treatment plants.
- » Storage tanks.
- » Dams.
- » Swimming pools.
- » Subways, tunnels and culverts.
- » Canals, pumping stations and underground chambers.

## ADVANTAGES

- » Has no effect on the quality of potable water.
- » Self supporting waterstop.
- » Hollow center bulb for expansion joints to accommodate movement.
- » Prefabricated junction pieces.
- » Easy to join on site.
- » Resistant to wide diluted chemicals including hydrocarbons.

## STANDARDS

Hydrostop AB complies with BS 2571:1963 and BS 2782. U. S. Corps of Engineers CRD- C 572-74.

## METHOD OF INSTALLATION

Hydrostop AB profiles should be fixed in split stop-end shutter.

## TECHNICAL PROPERTIES:

|   |              |
|---|--------------|
| Colour:                                   | Black & blue |
| Tensile strength:<br>(Typically = 14 MPa) | > 13.0 MPa   |
| Elongation at break:                      | > 300 %      |

## SITE WELDING

The key to a leak free waterstop network is correct on-site jointing. Hydrostop AB is made of thermoplastic PVC, and can be easily welded using suitable heating processes, such welding knife.

Cut the edges to be welded in a sharp and straight line then secure the ends in a welding jig. Use the welding knife between the ends, until an even, molten bead appears.

Remove the welding knife and press the ends firmly together. Consult DCP technical departments for further details.

## JUNCTION PIECES

Full range of factory made junction pieces is available, for the following:

- » Flat and vertical cross.
- » Flat and vertical T.
- » Corner pieces.
- » Flat L.

Other non-standard pieces can be made as may be required by project shop drawings.

## PACKAGING

Hydrostop AB is available in 12 meter rolls.

## STORAGE

Hydrostop AB should be stored away from direct sunlight.

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## CAUTIONS

Hot welding of PVC will generate acidic hydrogen chloride fumes, jointing should take place in a well ventilated area, or while wearing oxygen mask. Avoid breathing fumes. Wear a proper mask.

## MORE FROM DON CONSTRUCTION PRODUCTS

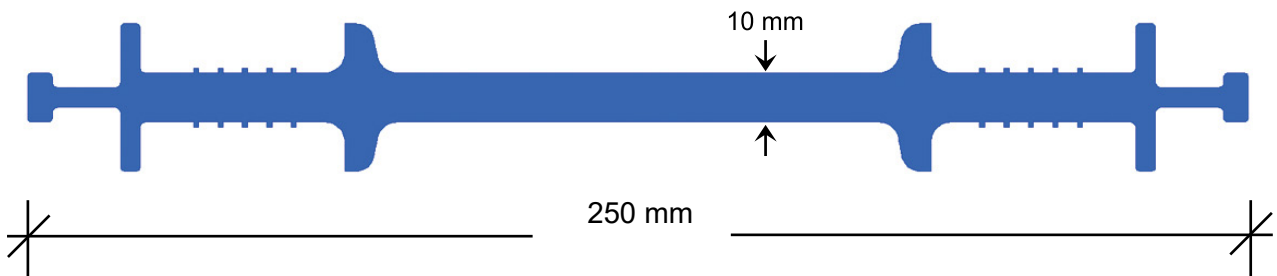
A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

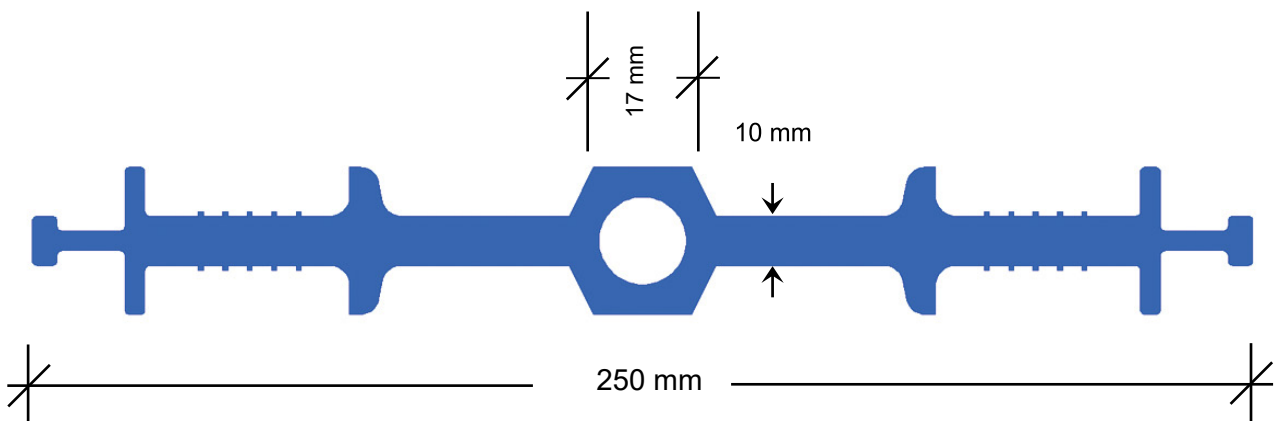
## PROFILES AND DIMENSIONS

### High Web Thickness

Center fix for construction joints (AB233)



Center fix for expansion & construction joints (AB234)

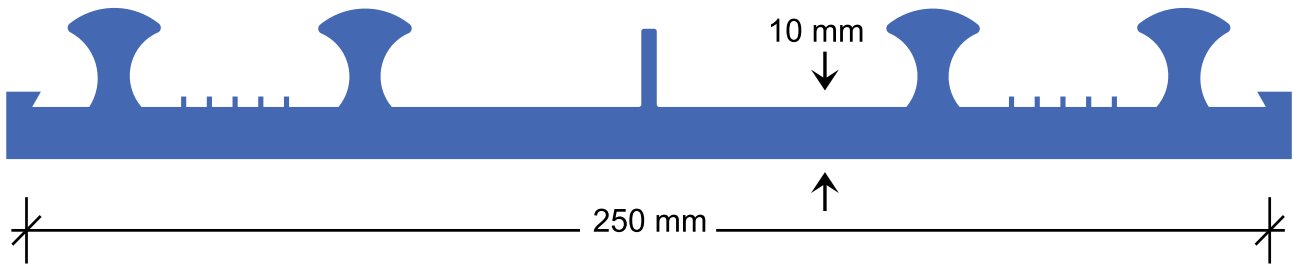


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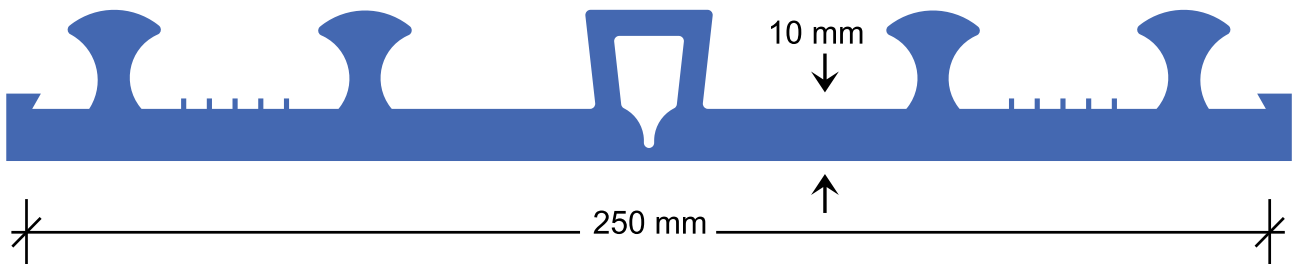
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# Hydrostop AB

External fix for construction joints (AB231)



External fix for expansion & construction joints (AB232)



| Profile code | Overall width* (mm) | Web thickness (mm) | Center bulb width (mm) | Roll length (m) |
|--------------|---------------------|--------------------|------------------------|-----------------|
| AB223        | 200                 | 10                 | -                      | 12              |
| AB224        | 200                 | 10                 | 17                     | 12              |
| AB231        | 250                 | 10                 | -                      | 12              |
| AB232        | 250                 | 10                 | 17                     | 12              |
| AB233        | 250                 | 10                 | -                      | 12              |
| AB234        | 250                 | 10                 | 17                     | 12              |

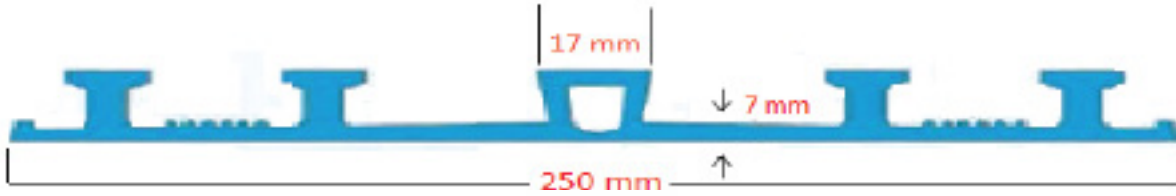
\* Variation in the above numbers can reach  $\pm 4\%$ .

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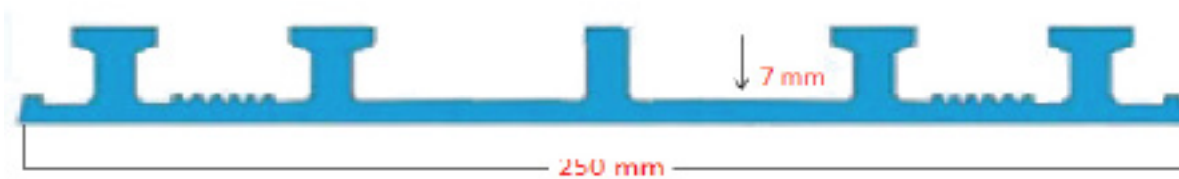
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## Medium Web Thickness

External fix for expansion & construction joints (AB252)



External fix for construction joints (AB251)



| Profile code | Overall width* (mm) | Web thickness (mm) | Center bulb width (mm) | Roll length (m) |
|--------------|---------------------|--------------------|------------------------|-----------------|
| AB251        | 250                 | 7                  | -                      | 20              |
| AB252        | 250                 | 7                  | 17                     | 20              |

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