

# Hydrostop WB

PVC waterstop for internal fixing of expansion and construction joints



## DESCRIPTION

Hydrostop WB is extruded from an elastomeric polyvinyl chloride rubber. Hydrostop WB is designed in precision engineered profiles to stop any possible leakage from contraction, expansion and construction joints in cast-in-place concrete elements.

Hydrostop WB is an internal fixing profile with brass eyelets at 300mm spacing enabling the waterstop to be tied to the reinforcement for support during concreting.

## APPLICATIONS

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

- » Water reservoirs.
- » Waste water treatment plants.
- » Storage tanks.
- » Retaining walls, foundations, basements and suspended slabs.
- » Swimming pools.
- » Subways, tunnels and culverts.
- » Canals, pumping stations and underground chambers.

## ADVANTAGES

- » Unique profile design with multiple ribs.
- » Has no effect on the quality of potable water.
- » Brass eyelets at 30cm spacing for more rigidity while concreting.
- » Available with hollow center bulb for expansion joints to accommodate the movement.
- » Prefabricated junction pieces.
- » Easy to join on site.
- » Resistant to wide diluted chemicals including hydrocarbons.

## METHOD OF INSTALLATION

Hydrostop WB is fixed inside the shutter and should be tied by wire to the reinforcement through the eyelets in the edge flanges.

## TECHNICAL PROPERTIES:

Colour:	Black or blue
Tensile strength:	≥ 8 MPa
Elongation:	≥ 200 %

## SITE WELDING

The key to a leak free waterstop network is correct on-site jointing. Hydrostop WB is made of thermoplastic PVC, and can be easily welded using suitable heating processes, such as 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 are available upon request for all profiles, 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 WB is supplied in 15 or 20 meter rolls.

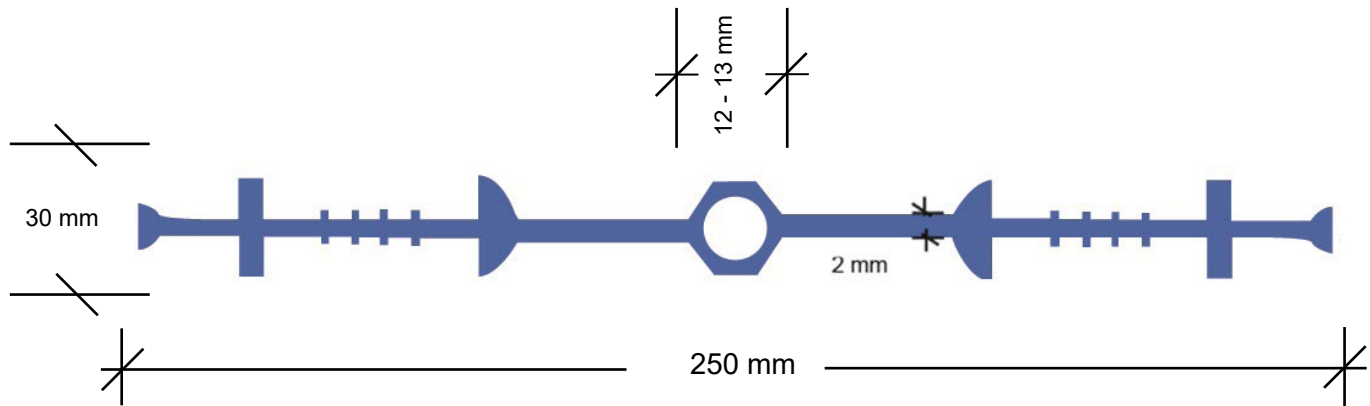
## STORAGE

Hydrostop WB should be stored away from direct sunlight.

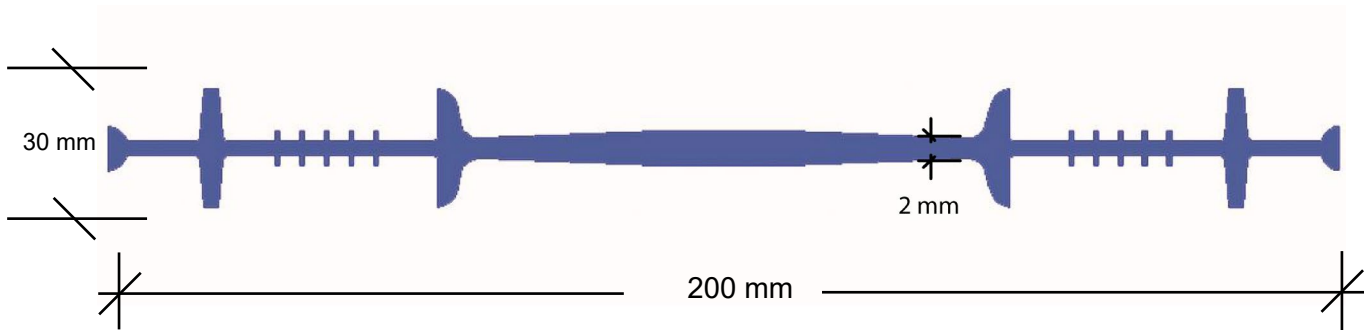
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### DCP Lebanon

Port, Jamarek Street,  
Beirut, Lebanon  
[info.lebanon@dcp-int.com](mailto:info.lebanon@dcp-int.com)  
[www.dcp-int.com](http://www.dcp-int.com)



WB254 Internal fix for expansion & construction joints



WB203 Internal fix for construction joints

Profile code	Overall width* (mm)	Web thickness (mm)	Center bulb width (mm)	Roll length (m)
WB203	200	2	-	15, 20
WB254	250	2	12 - 13	15, 20

\* Variation of  $\pm 4\%$  may occur in the above numbers.

\* Other profiles at different widths can be extruded upon request.

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

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Port, Jamarek Street,  
Beirut, Lebanon  
[info.lebanon@dcp-int.com](mailto:info.lebanon@dcp-int.com)  
[www.dcp-int.com](http://www.dcp-int.com)

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