

Hydrostop EA

Self supporting PVC waterstops



DESCRIPTION

Hydrostop EA are 10 mm thick 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 EA is that they are self supporting, which enables their use without the need for tying to reinforcement steel through eyelets.

APPLICATIONS

Hydrostop EA 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.

METHOD OF INSTALLATION

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

SITE WELDING

The key to a leak free waterstop network is correct on-site jointing. Hydrostop EA 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.

TECHNICAL PROPERTIES:

| | |
|----------------------|----------------|
| Colour: | Black and blue |
| Tensile strength: | ≥ 8 MPa |
| Elongation at break: | ≥ 200 % |

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 EA is available in 12, 20 meter rolls.

STORAGE

Hydrostop EA should be stored away from direct sunlight.

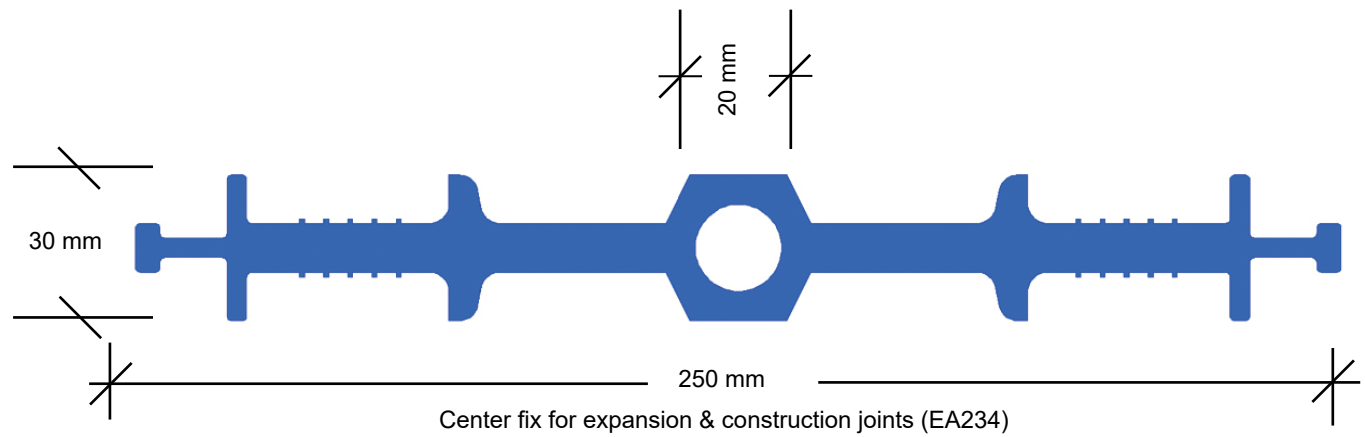
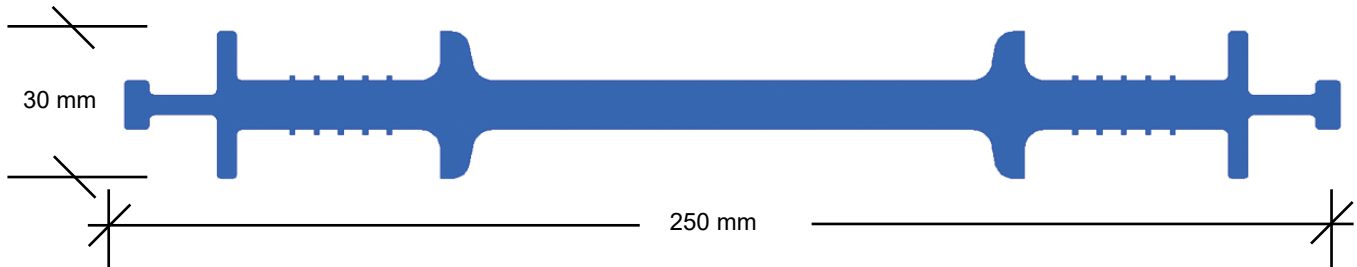
CAUTIONS

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.

Hydrostop EA

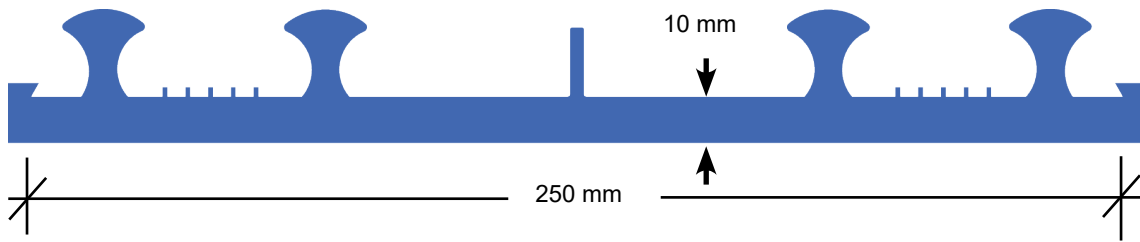
Profiles and Dimensions

Center fix for construction joints (EA233)



Hydrostop EA

External fix for construction joints (EA231)



External fix for expansion & construction joints (EA232)



| Profile code | Overall width* (mm) | Web thickness (mm) | Center bulb width (mm) | Roll length (m) |
|--------------|------------------------|-----------------------|---------------------------|--------------------|
| EA223 | 200 | 10 | - | 12, 20 |
| EA224 | 200 | 10 | 17 | 12, 20 |
| EA231 | 250 | 10 | - | 12, 20 |
| EA232 | 250 | 10 | 17 | 12, 20 |
| EA233 | 250 | 10 | - | 12, 20 |
| EA234 | 250 | 10 | 20 | 12, 20 |

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



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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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