



Enviro Waterstop P-Series

Central & External Rubber Waterstops



DESCRIPTION

The Enviro Waterstop P-Series range is designed to provide to complete physical barrier in water retaining and water excluding in-situ concrete structures. Enviro Waterstop P-Series is suitable for a wide variety of applications including potable water, and can also be used in situations where salt water and sewage are present. Enviro Waterstop P-Series is available in 3 profile types. A Centre guard for centrally placed applications, a Rear guard for external applications and a Fixed Angle profile that can be fitted to existing structures.

FEATURES

- A range of profile to suit most applications
- Can be used for salt and fresh water and sewage applications
- Zero VOC
- Safe for potable water
- On-site welding equipment available
- Long shelf life
- Long roll lengths to reduce welds
- Excellent chemical resistance

TYPICAL USES

Enviro Waterstop P-Series is simple to install and can be used for a variety of applications including;

- Concrete foundations, walls & slabs on ground
- Dams & spillways
- Swimming pools
- Lift pits
- Underground car parks
- Bunded areas
- Reservoirs
- Podium slabs
- Watertanks

- Tunnels
- Roof slabs
- Water & sewage plants
- Retaining walls
- Underground cellars & vaults

PHYSICAL PROPERTIES

Colour	Various
Form	Various shaped PVC profiles
Shore A Hardness	70
Elongation	>250%
Tensile Strength	14MPa
Hydrostatic Head	50m
Joint Movement	≤ 10mm
Melting Temperature	Approx. 220°C
Service Temperature Range	-30°C to 65°C
Centreguard Profile Sizes	150mm (W) x 20m (L) 250mm (W) x 15m (L)
Rearguard Profile Sizes	250mm (W) x 15m (L)
Fixed Angle Profile Sizes	180mm (H) x 170mm (W) 220mm (H) x 265mm (W)

DESIGN CRITERIA

The correct choice of waterstop depends on the thickness of the concrete and positioning of the steel reinforcement. As a general rule, the thickness of the concrete should be greater than or equal to the width of the waterstop however, EnviroSystems recommends an engineer be consulted prior to the installation of all waterstops to ensure suitability.

Ensure correct concrete compaction around Enviro Waterstop P-Series so to prevent voids and ensure full encapsulation of the profile.

For further information on the design criteria or for project specific advice, please consult EnviroSystems.

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INSTALLATION INSTRUCTIONS

The Centreguard Waterstop profile is generally fixed into the middle of the wall or slab joint of the concrete structure. The bulb within the centre of the profile enables flex where movement in the joint may occur.

It is extremely important that the Centreguard Waterstop be held in place correctly during concrete pour and compaction. Ensure there is sufficient space around profile where reinforcing steel exists to assist with concrete flow and compaction.

The Centreguard waterstop can be wired to the reinforcing steel by a series of eyelets on the outer edge of the profile. The Rearguard Waterstop is externally placed for use on floors and below grade areas in horizontal and vertical joints.

These Rearguard waterstop is specially designed to ensure complete compaction around profile, thus bonding the concrete and waterstop together forming a positive barrier.

When used in construction and expansion joints, the bulb allows for movement within the joint and may also support any joint filler being used.

The Fixed Angle Waterstop is fitted to an existing structure prior to new concrete placement against said structure. The vertical edge of this Angle Waterstop is fixed to the existing structure with a metal flange and suitable anchors / bolts.

Ensure adequate concrete cover to top and bottom of horizontal section of Fixed Angle Waterstop. Typically, the thickness of concrete cover (top and bottom) should be a minimum of half the horizontal width of the said waterstop.

For further information regarding the installation of Enviro Waterstop P-Series or for project specific advice please consult EnviroSystems.

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WELDING INSTRUCTIONS

Refer to EnviroSystems for full instructions on welding Enviro Waterstop P-Series.

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HEALTH & SAFETY ADVICE

Refer to the Safety Data Sheet for full safety and handling procedures.

NOTE: Safety Data Sheets are available upon request by emailing customerservice@envirosystems.com.au

We're here to help you!

It is a good idea to keep a journal of your waterproofing job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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