

## Silt Curtain Standard Duty Welded PVC

This is a strong curtain for medium life and usage, tougher than welded PVC, this product is woven and then wedge welded (as used in reservoir lining) creating virtually indestructible seams. It has been deployed in large rivers and estuaries where it has stood up well to the harsh environments. The curtains can be deployed time and time again with considerate care and yet they are an economical alternative to all other systems.

The curtains are fabricated from a one piece geotextile (for added strength), or in joinable panels to the customer's preference. This product is very marginally permeable on deployment but blinds through biofilm accretion within a few days. Although permeable to water it acts as a filter membrane and therefore silt does not pass through it from the outset.

### Material Specification Hydraulic & Filter Properties

Mechanical Properties	Test method	Value
Tensile strength MD	EN ISO 10319	82,0 kN/m
Tensile strength CD	EN ISO 10319	86,0 kN/m
Elongation MD	EN ISO 10319	14,0 %
Elongation CD	EN ISO 10319	8,0 %
Static puncture resistance - CBR	EN ISO 12236	9,50 kN
Dynamic perforation resistance – cone drop	EN ISO 13433	9,0 mm
Thickness under 2 kPa	EN 964/1	1,35 mm
Weight	EN 965	360,0 g/m <sup>2</sup>

Composition 100% woven polypropylene -  
Durability estimated up to 1-2yrs in water

Floatation is created via integral Cross-Linked Closed Cell Nitrogen Foamed Polyethylene floats which cannot be punctured or compromised. Displacement values of the floats are according to site conditions – displacement values can be 20kg/m – 145kg/m +.

Ballast chain is integral for internal weight and additional anchor attachments at any point along the ballast chain at centres dictated by the local conditions of the project. All other features dependant on site conditions and are designed or adapted accordingly.

