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## Pro-Tex™ Silt Curtains

**Pro-Tex™ Floating Silt Curtains** - also known as silt nets or turbidity curtains - are designed to contain and control the dispersion of suspended solids in the water column during piling, dredging, bank re-profiling, quarrying or marine construction.

Silt curtains are designed to be flexible floating, yet vertical, installations which extend downward from the water surface to a specified water depth, usually tight to the bed; the curtain is maintained in a vertical position by closed cell floats at the top and a ballast chain along the bottom for anchorage. We have designed many unique features into our curtains to increase and improve their application and effectiveness.

### Features/Benefits:

- Contains and controls the dispersion of suspended solids
- Significantly and effectively reduces stress on the aquatic environment
- Improves localised settling times of suspended solids in a defined area
- Can be designed with many unique features to increase and improve their application and effectiveness

### Technical Information

Silt curtains should not be considered a 'one size fits all' type solution (as with oil booms).

We offer over 10 fabric choices and we can supply the most robust and cost effective curtain solution for your project – so the job gets done and you pay the very best price.

Various curtain grades are available to meet all requirements, conditions and budgets: Cheap disposable systems for short term deployment through to heavy duty permanent installations designed to remain in situ for many months or years are supplied.

Buoyancy is provided by environmentally acceptable closed cell floatation, (not harmful polystyrene) which cannot be compromised or punctured. A continuous anchor chain seals the curtain to the bed. Our silt curtains act as an effective oil containment boom, however we have a number of fittings which we can attach to our curtains to facilitate the addition of oil absorbent socks.

Application Categories: Sediment Pollution Control

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Mechanical Properties of Woven Geotextile used within our standard Silt Curtains	Test Method	Value
Tensile strength MD	EN ISO 10319	82 kN/m
Tensile strength CD	EN ISO 10319	84 kN/m
Elongation MD	EN ISO 10319	14 %
Elongation CD	EN ISO 10319	8 %
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 g/m <sup>2</sup>

Composition 100% cross woven polypropylene - Durability estimated up to 1-2 years in water. Heavier grades available for arduous conditions.

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 12kg/m – 145kg/m +.

Galvanised ballast chain is integral for internal weight and additional anchor points are located on the silt curtains to allow for additional ballast chains to be attached to suit local conditions. For custom made silt curtains and site specific needs, please contact us so we can discuss with manufacturers and engineers.



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