SpillSmart

Silt Curtains
Type 1

Marine construction, bridge maintenance, aquatic site work and dredging are among many scenarios that place ecosystems under great strain. Envirosmart Silt Curtains play an integral role in reducing environmental impact in waterways, creeks, dams and oceans.

SpillSmart Type 1 Silt Curtains have been designed for protected and sheltered waters where variables such as wind, currents and waves are minor. We have found for many clients, manufacturing the curtains in 20meter lengths (where possible) provides the most cost-effective build.

SpillSmart Silt Curtains are Australian Made and can be customised to suit project requirements with efficient turnaround times. Please contact you Envirosmart distributor for further information.

Designed for:

- Shoreline restoration
- Bridge construction
- Rock walls on the foreshore
- Construction sites on or near waterways
- Dredging
- Piling repairs
- Foreshore development
- Sediment ponds
- Boat Ramp Upgrades
- Marine constructions

Specifications:

- Closed cell foam floatation
- 270gsm geotextile
- 400gsm UV stabilised PVC
- 25mm high tensile webbing with 1T break strain (above and below float chamber)
- Bow shackle connectors on float chamber
- Velcro connection
- Galvanised chain ballast

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Type 1 Technical Data Sheet - 2 Metre depth example

1	Design Criteria	Unit	For Information
1.1	Section Length (curtain)	[m]	20
1.2	Depth (curtain)	[m]	2
2	**Materials**	**Unit**	**Min. Required / Proposed**
2.1	Float		PE Closed Cell Foam
2.2	Float Chamber		UV Resistant PVC 400gsm
2.3	Tension Member		Webbing
2.4	Skirt		Non-Woven Stable Fibre Geotextile 270 gsm
2.5	Chain Pocket		Geotextile
2.6	Ballast Material		Galvanised Chain
2.7	Upper Connection		Reinforced Marine Webbing
2.8	Skirt Connection		Velcro
2.9	Handles		Webbing
3	**Physical Dimensions**	**Unit**	**Min. Required / Proposed**
3.1	Freeboard	[mm]	90
3.2	Number of Handles	[qty]	4
3.3	Tension Member Width / Diameter	[mm]	25
3.4	Tension Members	[qty]	1
3.5	Geotextile Pore Size	[micron]	90
3.6	Geotextile Flow Rate @ 10cm head	[l/m2/sec]	100
3.7	Chain Gauge	[mm]	6
3.8	Chain Weight	[kg/m]	0.83
3.9	Float Cross Sectional Area	[m2]	0.01
3.10	Float Length	[mm]	1200
3.11	Float Buoyancy (seawater)	[kg/m2]	10.3
3.12	Curtain Buoyancy Factor	[multiple]	5.85

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