

TERRASTOP 100 SILT FENCE

WOVEN POLYPROPYLENE GEOTEXTILE DATA SHEET

PROPERTIES			
PROPERTY	STANDARD	UNIT	VALUE
Mass	ISO 3801	g/m ²	100
Thickness	EN 964-1	mm	0.7
Roll Dimensions	-----	m	0.75 wide x 100.0 long
Wide width tensile strength	ISO 10319	kN/m	22
Trapezoidal tear strength	ASTM D4533	N	270
Puncture Resistance	EN 918	mm	18
Grab tensile strength	ASTM D4632	N	700
G rating	Austrroads		> 1900 (Robust)
Pore Size	ISO 12956	micron	400
Flow Rate	AS3706.9	L/m ² /Sec	55

PRODUCT DESCRIPTION

TerraStop 100 Silt Fence is woven from 100% polypropylene for the efficient control of sediment and storm water run-off from construction sites.

Installed TerraStop 100 Silt Fence structures function primarily as a run-off flow 'velocity check', this promotes ponding and only a moderate volume of water passes thru the fence.

Due to its inherent strength, TerraStop 100 Silt Fence will act as a permeable dam to confine the sediment laden water within the ponding area and thus give time for sediment particles to settle and be deposited on the pond floor.

FEATURES AND BENEFITS

- Woven polypropylene filaments
- Green colour to merge with flora
- High visibility reflective bellypan
- Terrastop Silt Fence fabrics are UV stabilised
- High strength woven construction allows for maximum spacing between support posts.
- Supplied in 100m long rolls
- Rolled onto a cardboard core, rolls packaged individually in clear plastic bags

TYPICAL INSTALLATION METHOD

- Excavate a 200mm deep x 150mm wide trench along the sites lower perimeter or the consultant designated silt fence line
- Position and drive into ground stakes at downstream side of the fence at a maximum spacing of 2.5 metres
- Timber stakes 50x25mm x 1000mm long driven a minimum of 400mm into the ground
- Run-out and tension fencing wire at a height to coincide with the height of the finished fence, securely fix the wire to the posts / warratahs .
- Lay the fabric in the trench forming a 100mm foot at the trench floor
- Backfill the trench and compact the fill to anchor the bottom of the silt fence.
- Tension the silt fence and secure the top of the fabric to the wire using shade cloth clips or pins.
- Fence to stand a minimum of 400mm above ground level
- Construct returns as required to reduce the velocity along the fence line and to create impoundment areas.
- At butt joins to form leak proof joints using wooden battens and staples to trap the geotextile

ACCESSORIES

Clips / pins available in packs of 100 for securing the geotextile silt fence to the support wires.
 2.2mm soft galvanized wire available, supplied in 25kg rolls

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