

# POLYTEX SILT FENCE



## PRODUCT OVERVIEW

**Polytex PT115 Silt Fence** allows water to pass through the fabric, restricting the loss of precious topsoil particles. Sand & silt particles are retained keeping roads and highways free of mud. It also protects our lakes and streams from harmful silt build up.



### MATERIAL REQUIREMENTS

#### GEOTEXTILE

A woven polypropylene geotextile is used for the construction of the silt fence, with a warp tensile strength of 31kN/m and a weft tensile strength of 15kN/m, minimum. The material is supplied in standard 600mm widths, with *selvedges*.

#### TIMBER POSTS

The posts are untreated timber, a minimum of 900mm long and 25 to 40mm in diameter or alternatively any other suitable timber that is locally available.

#### WIRE TIES

The wire shall be un-galvanised 2mm diameter.

### PLANT REQUIREMENTS

This operation is considered labour based, and the contractor shall supply such hand tools and equipment as necessary to construct the curtains.

### ERECTING SILT FENCES

Wooden posts must be driven  $\pm 450$ mm into the ground, depending on ground conditions, with the top of posts approximately 450mm above average ground. The posts shall follow the contour, and their tops must all be the same elevation. Cutting the tops of posts may be necessary to comply with this requirement. Posts shall be spaced 2.5m – 4m apart. At the termination of the curtain the end post must be placed perpendicular to the contour. (*see detail below*)

The geotextile is to be placed on upstream side of posts. It must be secured to the posts with two wire ties per post. The bottom edge of the geotextile is to be laid flat on the uphill side of the slope. Cover bottom edge with approximately 50mm of soil. Alternatively a 150mm anchor-trench can be dug. Drive support posts into the ground until sufficient resistance is achieved. Erect geotextile as above and backfill trench to "lock-in" the lower portion of the geotextile.

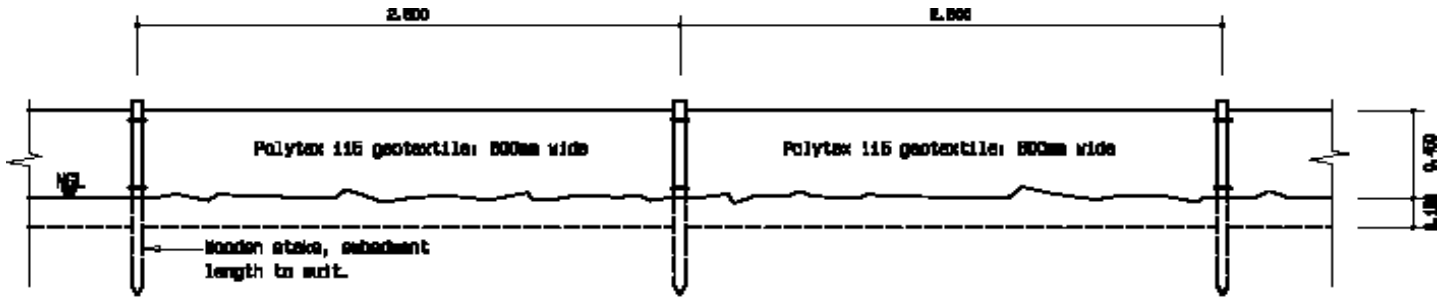
In areas where previously erected fences exist, they shall remain undisturbed, and the new fences erected in between the existing ones. Sand and silt collected behind the existing curtains shall remain in place, and must not be excavated

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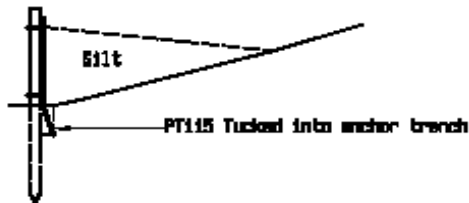
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## PRODUCT OVERVIEW



ELEVATION ON SILT FENCE



SECTION ON SILT FENCE



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