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# SILT LOK<sup>®</sup> SILT FENCE

Prefabricated Silt Fence Structures for Sedimentation Control

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## PRODUCT DESCRIPTION

**SILT LOK<sup>®</sup>** Silt Fence structures, composed of specially developed fabrics on supporting posts, are designed for efficient control of sediment run-off from construction sites. This sediment, left unchecked, can clog and pollute native waterways and damage natural area. Controlling the run-off, an increasing environmental concern, is advantageous to owners, contractors and engineers who face the economic costs associated with site sediment loss. Installed correctly in the field, the sedimentation control fabric in silt fence structures functions as a filter and a run-off flow velocity check. The fabric traps fine-grained sediment while storm water run-off may pass through the fabric at a moderate rate.

## FEATURES

### **SILT LOK<sup>®</sup> Prefabricated Silt Fence**

The prefabricated silt fence is pre-assembled, and is ready for immediate installation upon delivery to your site. The prefabricated system has a number of unique features and advantages:

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- Complete prefabricated system
- Standard reinforced top edge with high strength industrial tensioning belt for added reinforcement.
- Tensioning belt conveniently secures fabric to the posts.
- Can be used with metal or wooden posts.
- Offers greater variety in post spacing to conform to on-site terrain and conditions.



## SILT LOK® Silt Fence Technical Data

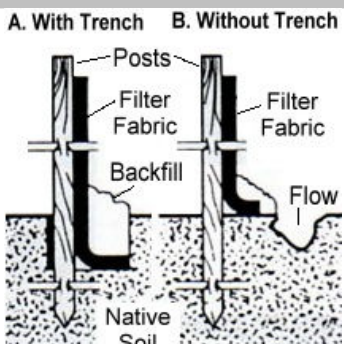
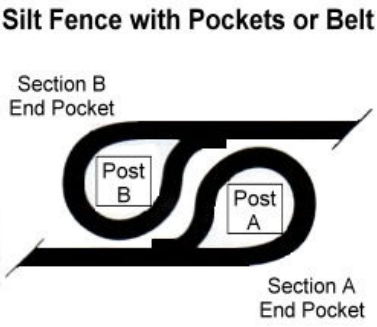
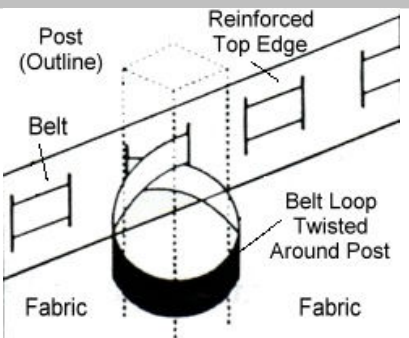
| Properties                                      | Test Method | Unit | Min. Ave Value |
|---|-------------|------|----------------|
| Grab Tensile Strength (machine direction)       | ASTM D 4632 | N    | 530            |
| Grab Tensile Strength (cross-machine direction) | ASTM D 4632 | N    | 450            |
| Grab Tensile Elongation                         | ASTM D 4632 | N    | 10             |
| Mullens Burst Strength                          | ASTM D 3786 | N    | >2000          |
| Trapezoidal Tear Strength                       | ASTM D 4533 | N    | 270            |
| Permittivity                                    | ASTM D 4491 | N    | 0.2            |
| Water Flow Rate                                 | ASTM D 4491 | N    | 800            |
| Ultraviolet Stability                           | ASTM D 4355 | N    | > 70           |

## SILT LOK® Silt Fence Packaging

| CAT No. | Overall Length | Fabric Width | Post Length | Post Spacing | Roll Mass |
|---------|----------------|--------------|-------------|--------------|-----------|
| 98-950  | 100m           | 0.9m         | 1.3m*       | 3m*          | 12kg      |

\* Post height and spacing may be varied to suit specified site conditions. Posts are supplied by customer.

## SILT LOK® Silt Fence Recommended Installation Guide

| Toe-In Method  | Joining Sections with Silt Fences   | Belt Loops at Post   |
|--|---|--|
|  |  |  |

### a. With Trench

- Excavate a 150 mm x 150 mm trench along lower perimeter of site.
- Unroll silt fence one section at a time. Posts should be positioned on downstream side of fence.
- Drive post into the ground and lay the toe-in fabric flap in bottom of trench. Backfill trench, and tamp ground as show in diagram above.

### b. Without Trench

- Toe-in can also be accomplished by laying the fabric flap on untrenched ground and piling and tamping soil over the flap at the base of the structure.

- Overlap posts as shown above to prevent flow-through
- Drive posts firmly together and tie off tops of posts to prevent separation. DO NOT use belt to secure adjoining tops of posts. Use rope or wire.

- Belt should be secured at roll end to prevent roll-out.
- To simply secure posts to belted fabric at a given point along length of fabric, pull belt out from reinforced top, twist to form a loop and slop post up through loop before driving post into place.

**Authorized Dealer or Agent:**