

## LD105 Silt Fence

Silt fences are used as temporary sediment control devices on construction sites to protect nearby streams, rivers, lakes and other water bodies. They are typically used as perimeter control in conjunction with properly designed sediment basins/traps as well as other erosion control strategies – all with the goal to retain sediment in place where soil is being disturbed by construction processes.

When installed correctly, silt fence is an effective sediment control device but failure can occur if the product is installed incorrectly or is not properly maintained.

When installing silt fence, plan the installation to follow the natural jobsite contours. Plan several small silt fence and sediment traps rather than a single perimeter fence. Ensure that the silt fence is trenched in approximately 30cm, properly backfilled and compacted.

| <b>FABRIC DATA</b>             |                    |                       |                           |
|--------------------------------|--------------------|-----------------------|---------------------------|
| <b>Property</b>                | <b>Test Method</b> | <b>MARV Imperial</b>  | <b>Marv Metric</b>        |
| Tensile Strength ( Grab)       | ASTM D-46362       | 125 X 124 LBS         | 556 X 551.6N              |
| Elongation                     | ASTM D-46362       | 15% x 15%             | 15% x15%                  |
| CBR Puncture                   | ASTM D-6241        | 325 LBS               | 1445.7N                   |
| Trapezoidal Tear               | ASTM D-4533        | 65 x 65 LBS           | 289.1 x 289.1 N           |
| UV Resistance (500hrs)         | ASTM D-4355        | 70%                   | 70%                       |
| Apparent Opening Size ( AOS) * | ASTM D-4751        | 30 US STD. SIEVE      | .60mm                     |
| Permittivity                   | ASTM D-4491        | 0.05 SEC -1           | 0.05 SEC -1               |
| Water Flow Rate                | ASTM D-4491        | 8 GPM/FT <sup>2</sup> | 326 lpm/m <sup>2</sup>    |
| Roll Size                      |                    | 3'x 100'              | 0.91m x 30.5m             |
| <b>PICKET DATA</b>             |                    |                       |                           |
| Hardwood Pickets/roll          |                    | 13                    | 13                        |
| Hardwood Picket Size (nominal) |                    | 1.25" x 1.25" x 48"   | 3.18cm x 3.18cm x 121.9cm |