

# MATERIAL PROPERTY DATA SHEET



## Talon Fabrics™ Silt Fence TSF-70 PREASSEMBLED SERIES



### DESCRIPTION

TSF-70 is a pre-assembled silt fence bundle including silt fence fabric and stakes as specified at the options below. It utilizes a woven geotextile made of polypropylene monofilament fibers that is non-biodegradable and resistant to UV degradation. Stakes can be placed on varying centers. Laths are optional, with sizing depending on the fabric height.

#### Standard Unit Fabric Properties

|               |                 |               |
|---------------|-----------------|---------------|
| Fabric Weight | 70 g            |               |
| Fabric Height | 24 in (61 cm)   | 36 in (91 cm) |
| Unit Length   | 100 ft (30.5 m) |               |

#### Standard Unit Stake Properties

|                           |                                    |           |                            |          |
|---------------------------|------------------------------------|-----------|----------------------------|----------|
| Post Type                 | Hardwood pencil point tip          |           |                            |          |
| Post Diameters            | C (1.125")                         | E (1.25") | B (1.5")                   | J (2.0") |
| Post Length & Lath Length | 36 in (91 cm)                      |           | 48 in (122 cm)             |          |
|                           | 24 in x 1.5 in (61 x 3.8 cm)       |           | 36 in x 1.5" (91 x 3.8 cm) |          |
| Post Number & Spacing     | 21 stakes: 5 ft (1.6 m) on center  |           |                            |          |
|                           | 17 stakes: 6 ft (1.8 m) on center  |           |                            |          |
|                           | 13 Stakes: 8 ft (2.4 m) on center  |           |                            |          |
|                           | 11 Stakes: 10 ft (3.1 m) on center |           |                            |          |

| Index Property              | Test Method | MARV                   |
|-----------------------------|-------------|------------------------|
| Tensile Strength            | ASTM D4632  | 100 x 100 lbs          |
| Grab Elongation             | ASTM D4632  | 15% x 15%              |
| Puncture                    | ASTM D4833  | 250 lbs                |
| Trapezoidal Tear            | ASTM D4533  | 50 lbs                 |
| UV Resistance @ 500 hrs     | ASTM D4355  | 90%                    |
| Apparent Opening Size (AOS) | ASTM D4751  | 20-50 US STD SIEVE     |
| Permittivity                | ASTM D4491  | 0.10 sec-1             |
| Water Flow Rate             | ASTM D4491  | 15 gpm/ft <sup>2</sup> |

The property values listed above are effective January 2024 and are subject to change without notice. Values listed are for machine (warp) and cross-machine (fill), respectively, under dry or saturated conditions. MARVs are calculated as the average, plus or minus two standard deviations.

Example Assembly with Typical Silt Fence Options for Design-to-Build

### TSF-70-36-100-17-4E

|  |  |   |
|--|--|---|
| <b>Talon Fabrics Silt Fence</b>                | <b>Unit Length (ft)</b><br>100 typ.  | <b>Wood Stake Length (ft)</b><br>3 ft (36 in)<br>4 ft (48 in)   |
| <b>Fabric Weight (g)</b><br>60g<br>70g<br>100g | <b>Fabric Height (in)</b><br>24<br>36<br>48  | <b>Wood Stake Diameter</b><br>C - 1.125" x 1.125"<br>E - 1.25 x 1.25"<br>B - 1.5 x 1.5"<br>J - 2.0 x 2.0" |
|  | <b>Wood Stakes/ Unit</b><br>11 = 10' spacing<br>13 = 8' spacing<br>17 = 6' spacing<br>21 = 5' spacing<br>26 = 4' spacing |   |

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