



Erosion Protection



Filtration



Separation

## ADS FW500 WOVEN GEOTEXTILE SPECIFICATION

### Scope

This specification describes ADS FW500 woven geotextile.

### Filter Fabric Requirements

ADS FW500 woven geotextile is composed of high-tenacity monofilament and fibrillated polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. ADS FW500 is inert to biological degradation and resists naturally encountered chemicals, alkalis and acids. ADS FW500 conforms to the physical property values listed below:

### Filter Fabric Properties

| Property                     | Test Method | Unit  | M.A.R.V.<br>(Minimum Average Roll Value) <sup>2</sup> |
|------------------------------|-------------|---|---|
| Grab Tensile Strength        | ASTM D4632  | lbs (N)                                     | 375 (1669) MD & CD                                    |
| Grab Tensile Elongation      | ASTM D4632  | %   | 15 MD, 8 CD   |
| Trapezoid Tear Strength      | ASTM D4533  | lbs (N)                                     | 120 (534) MD & CD                                     |
| CBR Puncture Strength        | ASTM D6241  | lbs (N)                                     | 1200 (5340)   |
| Percent Open Area (POA)*     | COE-02215   | %   | 3   |
| Permittivity                 | ASTM D4491  | sec <sup>-1</sup>                           | 0.2   |
| Water Flow Rate              | ASTM D4491  | gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> ) | 15 (611)  |
| Apparent Opening Size (AOS)  | ASTM D4751  | U.S. Sieve (mm)                             | 50 (.30)  |
| UV Resistance (at 500 hours) | ASTM D4355  | %   | 70  |

\* Percent Open Area is not covered by our current ASLA accreditation.

### Packaging

|   |                        |
|---|------------------------|
| Roll Dimensions (W x L) - ft. (m)           | 15 x 300 (4.57 x 91.5) |
| Roll Area yd <sup>2</sup> (m <sup>2</sup> ) | 500 (418)              |