

## TECHNICAL DATA SHEET



### DMX Drain 6000™ 18X Drainage Membrane

#### MATERIAL

DMX uses a specially formulated Polypropylene that provides a high environmental stress crack resistance to alkalines and acids found in the soil. In addition, DMX is made from 50% recycled resin. Our special extrusion process utilizes low heat and low shear to prevent heat degradation in the final product. The use of antioxidants and lubricants further ensure a smooth, superior quality membrane that outperforms the competition.

#### PROPERTIES

The DMX Drain 6000™ 18X drainage board finished product has a 10mm dimple height, providing a drainage capacity of 18 gal/min/ft of width and a compressive strength of 18,000lbs/sq ft. Polyethylene is highly resistant to chemical interaction and has a life expectancy of up to 50 years when properly installed in accordance with the manufacturer's instructions.



#### TECHNICAL DATA

| DRAINAGE CORE        |  | TEST METHOD         | IMPERIAL                | METRIC                         |
|----------------------|--|---------------------|-------------------------|--------------------------------|
| Colour               |  | Black               |                         |                                |
| Dimensions (W x L)   |  |                     | 4 x 50ft, 6 x 50ft      | 1.22 x 15.25m, 1.83 x 15.25m   |
| Compressive Strength |  | ASTM D 1621         | 18000 psf               | 862 kNm <sup>2</sup>           |
| Thickness            |  | ASTM D 1777         | 7/16 inch               | 11 mm                          |
| Material             |  | Woven Polypropylene |                         |                                |
| FILTER FABRIC        |  | NON-WOVEN           |                         |                                |
| Grab Tensile         |  | ASTM D 4632         | 365 x 200 lbs md/cd     | 1623 x 890 N md/cd             |
| Trapezoidal Tear     |  | ASTM D 4533         | 75 lbs md/cd            | 332 N md/cd                    |
| Puncture Strength    |  | ASTM D 4833         | 105 lbs                 | .47 kN                         |
| Permeability         |  | ASTM D 3786         | 480 psi                 | 3309 kPa                       |
| AOS                  |  | ASTM D 4751         | 40 Sieve                | 380 micron                     |
| Permittivity         |  | ASTM D 4491         | 1.36 Sec -1             | 1.36 Sec -1                    |
| Water Flow Rate      |  | ASTM D 4491         | 100 gpm/ft <sup>2</sup> | 4080 Lpm/M <sup>2</sup>        |
| Weight Typical       |  | ASTM D 5261         | 6.0 oz/yd <sup>2</sup>  | 203.43 g/m <sup>2</sup>        |
| Material             |  | Polypropylene       |                         |                                |
| COMPOSITE SYSTEM     |  |                     |                         |                                |
| Water Flow Rate (V)  |  | ASTM D 4716         | 18 Gal/min/ft           | 223 L/min/m                    |
| Roll Size            |  |                     | 4ft x 50ft, 6ft x 50ft  | 1.22m x 15.25m, 1.83m x 15.25m |
| Roll Weight          |  |                     | 46 lbs                  | 20.86 kg                       |