

**TECHNICAL DATA SHEET**



**DMX Drain 5X™ Drainage Membrane**

**MATERIAL**

DMX uses a specially formulated High Density Polyethylene that provides a high environmental stress crack resistance to alkalines and acids found in the soil. In addition, DMX is made from 70% recycled resin from municipal recycling programs. 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 5X™ drainage board finished product has a 0.031' (8 mm) dimple height, providing a drainage capacity of 12 gal/min/ft of width and a compressive strength of 6,000lbs/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 instruction

**TECHNICAL DATA**

DRAINAGE CORE	TEST METHOD	IMPERIAL	METRIC
Colour	Black (fabric grey)		
Compressive Strength	ASTM D 1621	6000 psf	250 kNm <sup>2</sup>
Thickness	ASTM D 1777	.313 inch	8 mm
Material	Polyethylene		
FILTER FABRIC NON-WOVEN			
Grab Tensile	ASTM D 4632	144/151 lbs md/cd	.644/.670 kN md/cd
Elongation	ASTM D 4491	63%/54%	63%/54% md/cd
Trapezoidal Tear	ASTM D 4533	75/76 lbs md/cd	.333/.338 kN md/cd
Puncture Strength	ASTM D 4833	56 lbs	.251 kN
Permeability (in/s) (cm/s)	ASTM D 4491-99a	2.6 x 10 <sup>-3</sup>	6.5 x 10 <sup>-3</sup>
AOS	ASTM D 4751	70 US Std Sieve	.21 mm
Permittivity	ASTM D 4491	1.2 Sec -1	1.2 Sec -1
Water Flow Rate	ASTM D 4491	92 gal/min/ft <sup>2</sup>	257 L/min/m <sup>2</sup>
Weight Typical	ASTM D 5261	4.0 oz/yd <sup>2</sup>	136 g/m <sup>2</sup>
UV Resistance (@500hrs)	ASTM D 4355	70%	70%
Material	Polypropylene		
COMPOSITE SYSTEM			
Water Flow Rate (V)	ASTM D 4716	10 Gal/min/ft	277 L/min/m
Water Flow Rate (H)			
Roll Size		5ft x 50ft, 6.6ft x 50ft, 8ft x 50ft	1.53m x 15.25m, 1.98m x 15.25m, 2.44m x 15.25m
Roll Weight DMX 5M™		39 lbs, 53 lbs, 64 lbs	18 kg, 24 kg, 29 kg
Diameter		20"	50.80 cm