

TECHNICAL DATA SHEET

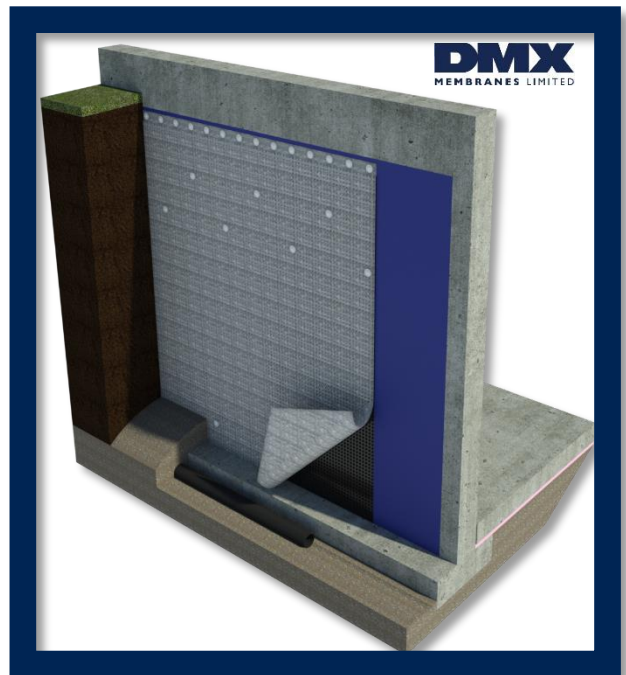


MATERIAL

DMX uses a specially formulated High Density Polyethylene that provides a high environmental stress crack resistance to alkalines and acids found in the soil. 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 6,700lbs/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	6,700 psf (46 psi)	320 kNm ²
Thickness	ASTM D 1777	.313 inch	8 mm
Material	Polyethylene		
FILTER FABRIC		NON-WOVEN	
Grab Tensile	ASTM D 4632	110 lbs md/cd	490 N
Elongation	ASTM D 4491	50%	50% md/cd
Trapezoidal Tear	ASTM D 4533	40 lbs	178 N
Puncture Strength	ASTM D 4833	30 lbs	134 N
Permeability (cm/s)	ASTM D 4491-99a	.05 cm/sec	.05 cm/sec
AOS	ASTM D 4751	50 US Std Sieve	.297 mm
Permittivity	ASTM D 4491	1.30 Sec -1	1.30 Sec -1
Water Flow Rate	ASTM D 4491	95 gal/min/ft ²	3,871 L/min/m ²
Weight Typical	ASTM D 5261	4.0 oz/yd ²	136 g/m ²
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		6.6ft x 50ft, 8ft x 50ft	1.98m x 15.25m, 2.44m x 15.25m
Roll Weight DMX Drain 5X™		53 lbs, 64 lbs	24 kg, 29 kg
Diameter		20"	50.80 cm