



DMX DRAIN 5X

Ground Water Control For Shallow Foundations



DMX
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MATERIAL/PROPERTIES

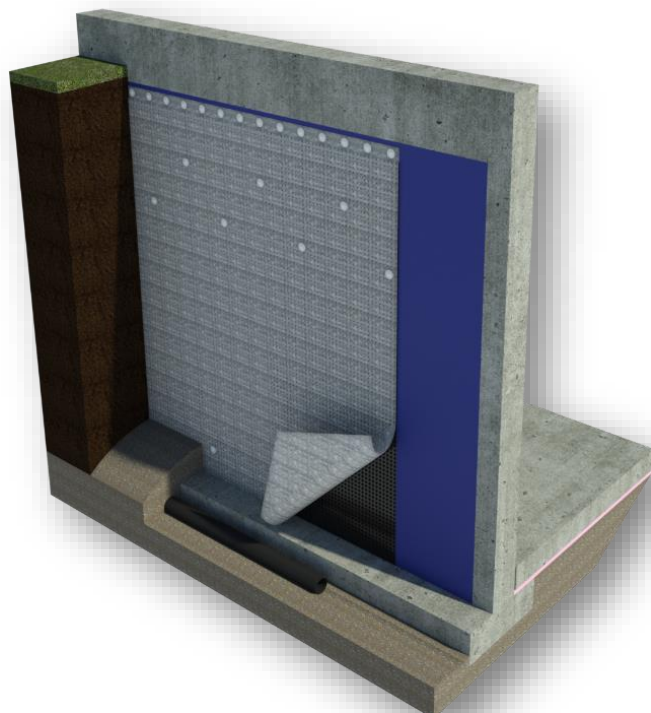
The DMX Drain 5X Geo composite drainage board is manufactured using virgin feed stocks combined with a specific recipe of antioxidants, impact modifiers and compatibilizers

The DMX Drain 5X drainage board finished product has a 0.031' (8mm) dimple height, providing a drainage capacity of 12 gal/min/ft of width and a compressive strength of 6,000 lbs/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.

APPLICATION

The DMX Drain 5X is well suited to shallow foundation walls (< 16 feet), retaining walls, poured or precast concrete walls, insulated concrete forms, prefabricated tilt up walls, below grade chemical gas barrier* and venting system, hill side construction, to compliment any liquid applied waterproofing product for a total systems approach to ground water control.

The use of DMX Drain 5X drainage board provides excellent protection of residential and light commercial structural components during the concrete pour and diffuses hydrostatic pressure around any structure to promote positive drainage outlets. This feature calculates into substantial savings in manpower and materials, a major concern for cost sensitive markets.



TECHNICAL DATA

DRAINAGE CORE	TEST METHOD	IMPERIAL	METRIC
Colour	Black		
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	90 lbs	401 N
Grab Elongation	ASTM D 4491	50%	50%
Trapezoidal Tear Strength	ASTM D 4533	40 lbs	178 N
CBR Puncture Strength	ASTM D 6241	265 lbs	1.178 kN
Permittivity	ASTM D 4491	2.0 sec ⁻¹	2.0 sec ⁻¹
Apparent Opening Size (AOS)	ASTM D 4751	50 US Std Sieve	0.300 mm
Water Flow Rate	ASTM D 4491	150 gal/min/ft ²	6,095 L/min/m ²
UV Resistance (@500hrs)	ASTM D 4355	70%	70%

COMPOSITE SYSTEM			
Water Flow Rate (V)	ASTM D 4716	14 Gal/min/ft	174 L/min/m
Water Flow Rate (H)			
Roll Size		6 ft x 50ft, 8ft x 50ft	1.85m x 15.25m, 2.44m x 15.25m
Roll Weight DMX Drain 5X™		50 lbs, 64 lbs	22 kg, 29 kg
Diameter		20"	50.80 cm