



**BC BUILDING PRODUCTS**  
THE ENVELOPE SPECIALISTS

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**TECHNICAL DATA SHEET**

# **DMX Drain 18X™ (18,000 psf)**

Manufacturer: DMX Membranes

The following pages are the manufacturer's original document,  
reproduced unaltered (revision not shown on document).

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8241 129 St, Surrey, BC V3W 0A6

604-540-9040 · sales@bcbp.ca · bcbp.ca

## TECHNICAL DATA SHEET

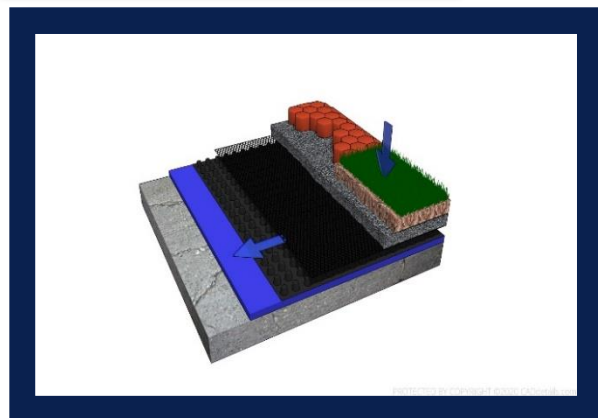


### MATERIAL

DMX uses a specially formulated Polyethylene that provides a high environmental stress crack resistance to alkalines and acids found in the soil. In addition, DMX is made from 100% virgin 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 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  | 18,000 psf (125 psi)   | 862 kNm <sup>2</sup>           |
| Thickness               | ASTM D 1777  | 7/16 inch              | 10 mm                          |
| Material                | Polyethylene |                        |                                |
| FILTER FABRIC           |              | WOVEN                  |                                |
| Grab Tensile            | ASTM D 4632  | 365 x 200 lbs          | 1.62 x 0.89 kN                 |
| Grab Elongation         | ASTM D 4632  | 15%                    | 15%                            |
| Trapezoidal Tear        | ASTM D 4533  | 115 x 75 lbs           | 0.51 x 0.33 kN                 |
| CBR Puncture Resistance | ASTM D 6241  | 675 lbs                | 3.0 kN                         |
| Water Flow              | ASTM D 4491  | 145 gpm/sf             | 5907 l/min/sm                  |
| Permittivity            | ASTM D 4491  | 2.1 Sec <sup>-1</sup>  | 2.1 Sec <sup>-1</sup>          |
| AOS                     | ASTM D 4751  | 40 US Sieve            | 0.425 mm                       |
| UV Resistance           | ASTM D 4355  | 90/500 %/hrs           | 90/500 %/hrs                   |
| COMPOSITE SYSTEM        |              |                        |                                |
| Water Flow Rate (V)     | ASTM D 4716  | 20 Gal/min/ft          | 248 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, 70 lbs         | 21 kg, 32 kg                   |