



**BC BUILDING PRODUCTS**  
THE ENVELOPE SPECIALISTS

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**TECHNICAL DATA SHEET**

# **DMX Drain 15X Drainage Membrane**

Manufacturer: DMX Membranes

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

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## TECHNICAL DATA SHEET



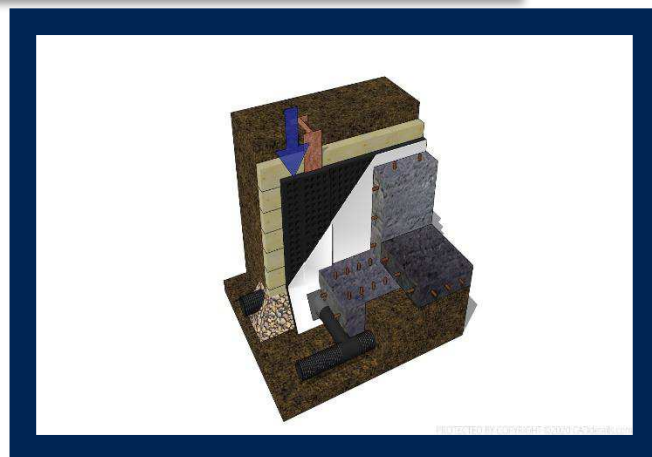
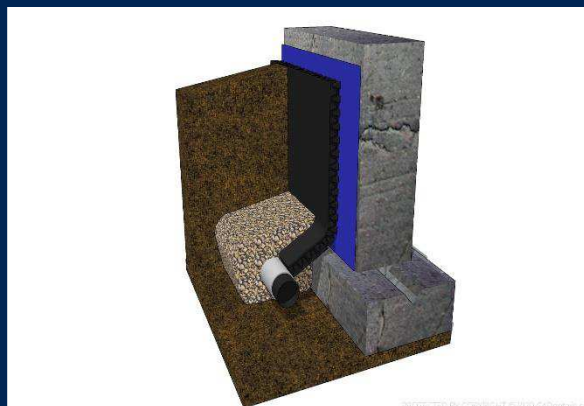
### MATERIAL

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 15X™ drainage board finished product has a 10mm dimple height, providing a drainage capacity of 20 gal/min/ft of width and a compressive strength of 15,000lbs/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  | 15000 psf (104 psi)     | 718 kNm <sup>2</sup>           |
| Thickness                   | ASTM D 1777  | 7/16 inch               | 10 mm                          |
| Material                    | Polyethylene |                         |                                |
| FILTER FABRIC NON-WOVEN     |              |                         |                                |
| Grab Tensile Strength       | ASTM D 4632  | 90 lbs                  | 0.401 kN                       |
| Grab Elongation             | ASTM D 4632  | 50%                     | 50%                            |
| Trapezoid Tear Strength     | ASTM D 4533  | 40 lbs                  | 0.178 kN                       |
| CBR Puncture Resistance     | ASTM D 6241  | 265 lbs                 | 1.178 kN                       |
| Permittivity                | ASTM D 4491  | 2.0 sec <sup>-1</sup>   | 2.0 sec <sup>-1</sup>          |
| Water Flow                  | ASTM D 4491  | 150 gpm/ft <sup>2</sup> | 6095 l/min/m <sup>2</sup>      |
| Apparent Opening Size (AOS) | ASTM D 4751  | 50 Std. U.S. Sieve      | 0.300 mm                       |
| UV Resistance               | ASTM D 4355  | 70%/500 hrs             | 70%/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                 |              | 40 lbs, 55 lbs          | 18 kg, 25 kg                   |
| Fabric Weight               |              | 5lbs, 8 lbs             | 2.4kg, 3.6 kg                  |