

### Description:

The Pli-Dek drainage boards 4 and 4.2 consist of an impermeable polypropylene sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is then bonded to a layer of non-woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

Performs a multi-faceted role by providing protection for waterproofing systems and managing subsurface water around building foundations. Soil backfill is retained while allowing water to pass into the drainage system providing hydrostatic relief. Collected water is then conveyed to collection systems.

### Applications:

- Foundation walls
- Retaining walls
- Planters & roof gardens
- Bridge abutments
- Under slabs

### Specifications:

#### PD 4 Drain Board:

Maintains a very high flow rate while providing a higher compressive strength for greater depths. A very popular choice for vertical and horizontal single sided drainage applications.

#### PD 4.2 Drain Board:

Identical to PD 4 with the addition of a poly film adhered to the back side. The film provides additional protection to membranes.

### Availability:

PD 4 and 4.2 Drain Board are available in 50 ft length rolls in the following widths:

- 4 ft. (1.22m)
- 6.5 ft. (1.98m)
- 8 ft. (2.44m)

### Technical Information:

#### Core:

Compressive Strength.....	15,000 psf
(ASTM D-1621)	(718 kNm <sup>2</sup> )
Thickness .....	40in.
(ASTM D-1777)	(10.16mm)
Flow (Hydraulic gradient=1).....	21 g/min/ft
(ASTM D-4716)	(260 L/min/m)

#### Fabric:

Flow.....	140 gal/min/ft <sup>2</sup>
(ASTM D-4491)	(5704 L/min/m <sup>2</sup> )
CBR Puncture.....	250 lbs.
(ASTM D-6241)	(1.113kN)
AOS (EOS) .....	70 U.S. Sieve
	(.212 mm)
Grab Tensile.....	100 lbs.
(ASTM D-4632)	(.45kN)

### Technical Assistance:

Contact Pli-Dek Systems, Inc. for any job specific questions.



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