PRODUCT INFORMATION SHEET
PD DRAIN BOARD 9.9

Description:
The Pli-Dek Drain Board 9.9 is specifically designed for projects demanding the highest compressive strength and filtration such as split slab, under slab, and plaza decks. Soil is retained while allowing water to pass into the drainage core. The collected water is then conveyed to a proper collection system. Suitable to receive concrete toppings.

Uses:
- Pli-Dek System – "U"
- Con-Dek System – "U"
- HD System
- Hot Rubber
- Polymer Modified Asphalt (PMA)
- Cold Rubber High Build (CR)

Applications:
- Under Slabs
- Plaza Decks
- Split-Slabs

Specifications:
The Pli-Dek Drain Board 9.9 consists of a heavy duty impermeable polypropylene sheet cuspated under heat and pressure to form a high flow dimpled drainage core. The drainage core is chemically resistant and designed for applications where chemical exposure is possible. The core is then bonded to a layer of 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.

Availability:
The Pli-Dek Drain Board 9.9 is available in 4 ft. wide by 50 ft. long rolls.

Application Instructions:
Vertical Installation:

1. Measure wall height or lift, adding sufficient material for overlapping pipe detail. Unroll Drain Board and cut to length.
2. Peel back fabric from drainage core and remove 4" of core. (Drain core should remain 6 - 12 inches below backfill.)
3. Glue fabric to wall or tuck fabric under core when using a furring strip. (Furring strip can be removed after backfilling.)
4. Glue adjacent panels at the vertical joints, making sure that fabric overlaps to prevent soil intrusion when backfilling.
5. At drain tile, peel back fabric from drainage core and wrap around drain tile. Tuck excess fabric under core, making sure inner core has direct contact with drain tile.
6. Backfill as soon as possible.

NOTE: Drain Board can also be applied horizontally in a vertical application, as follows:

1. Install horizontally in lifts.
2. To ensure filter continuity, glue the overlap fabric from the upper lift to the lower lift.
3. Glue or nail the top of the final lift.

Horizontal Installation:

1. Clean horizontal surface of loose debris and unroll Drain Board fabric side up in the direction of maximum slope.
2. Attach Drain Board to the surface with double-sided tape, adhesive or nails that are compatible with waterproofing membranes.
3. For overlaps, place adjacent panels so that the cores abut.
4. Secure the fabric overlap at five foot intervals with glue, tape or nails.
5. *Join roll ends by peeling back fabric and removing 4" of core.
6. Place end panels so that cores abut, then glue, tape or nail fabric overlap.

*NOTE: All core joints must be covered by fabric overlay.

Technical Data: Core

Compressive Strength (ASTM D-1621)	33,000 psf (1,580 kNm^2)
Thickness (ASTM D-1777)	.40 in. (1.016 cm)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	24 gpm/ft^2 (298 lpm/m^2)

Technical Data: Fabric

Flow (ASTM D-4491)	60 gpm/ft^2 (2460 lpm/m^2)
CBR Puncture (ASTM D-6241)	850 lbs. (3.781 kN)
AOS (EOS) (ASTM D-4751)	40 U.S. Sieve (.42 mm)
Grab Tensile (ASTM D-4632)	370 lbs. (1.64 kN)

Warranty:
Please contact Pli-Dek LLC for details.

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Technical Assistance:
Contact Pli-Dek LLC for any job specific questions.

Scan here to visit the Pli-Dek website

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