

Description:

The Pli-Dek Drain Board 2.2 performs a multi-faceted role by providing protection for waterproofing systems and managing subsurface water around building foundations. Soil backfill is retained by a filter fabric while allowing water to pass into the drainage core providing hydrostatic relief. Collected water is then conveyed to a proper collection system.

Uses:

- Pli-Dek System
- Con-Dek System
- HD System
- Hot Rubber
- Polymer Modified Asphalt (PMA)
- Cold Rubber High Build (CR)

Applications:

- Basement Foundations
- Retaining Walls
- Planters & Roof Gardens
- Bridge Abutments

Specifications:

The Pli-Dek Drain Board 2.2 consists of a light duty impermeable polymeric 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. Additionally, there is a protection sheet bonded to the back side of the cusped core providing protection for soft membrane waterproofing systems without the use of a protection board. 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. Limited to 20 feet of backfill.

Availability:

The Pli-Dek Drain Board 2.2 is available in 50 ft. length rolls in the following widths:

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

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)	11,000 psf (527 kNm ²)
Thickness (ASTM D-1777)	.40 in. (10.16 cm)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	18 gal/min/ft (223 l/min/m)

Technical Data: Fabric

Flow (ASTM D-4491)	140 gal/min/ft ² (5704 l/min/m ²)
Puncture (ASTM D-6241)	250 lbs. (1.11 kN)
AOS (EOS)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)

Limitations:

Not recommended for below grade. Do not apply to frost covered surfaces, or below 13°C (55°F). Do not apply if rain is expected in 24 hours and it must remain over 13°C (55°F) temperature for 24 hours.

Disclaimer:

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Technical Assistance:

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

