

Description:

The Pli-Dek Drain Board 10 consists of an HDPE geonet drainage core with a filter fabric bonded to one or both sides. The geonet drainage core is literally crush proof, yet flexible enough to conform to irregular surfaces. Because of their crushproof nature, geonet drainage composites can be used in the most extreme cases with heavy loads and/or heavy vehicular traffic.

Uses:

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

Applications:

- Foundation Walls
- Retaining Walls
- Planters & Roof Gardens
- Bridge Abutments
- Under Slabs

Specifications:

The Pli-Dek Drain Board 10 consists of heavy duty high density polyethylene geonet drainage core with its ridges heat fused to a layer of non-woven filter fabric. PD 10 has an addition of a layer of heavy duty grey fabric to the back side providing protection and cushion for waterproofing systems requiring a protection layer.

Availability:

The Pli-Dek Drain Board 10 is available in a 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)	40,000 psf (1,915 kNm ²)
Thickness (ASTM D-1777)	.25 in. (6.35 mm)
Flow (Hydraulic gradient = 1) (ASTM D-4716)	8.5 gal/min/ft (106 l/min/m)

Technical Data: Fabric

	Front	Back: grey
Flow (ASTM D-4491)	140 gal/min/ft ² (5704 l/min/m ²)	110 gal/min/ft ² (4481 l/min/m ²)
CBR Puncture (ASTM D-6241)	250 lbs. (1.113 kN)	450 lbs. (2.0 kN)
AOS (EOS) (ASTM D-4751)	70 U.S. Sieve (.212 mm)	80 U.S. Sieve (.18 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.445 kN)	160 lbs. (.712 kN)

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Technical Assistance:

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

