Installation Instructions

Driwall™ PCD

Single-Sided PCD Installation

Applicable to single-sided PCD products, where a drainage core is bonded to a filter fabric on one side.

Preparation

- **Surface Prep:** Ensure the surface (wall, deck, or roof) is clean, dry, and free from debris.
- **Waterproofing:** Apply a waterproofing membrane where required, as per manufacturer's instructions.
- **Tools:** You'll need a utility knife or scissors for cutting, and KeeneFlash 4" or a similar flashing tape for seams.

Installation Steps

Step 1: Cut the PCD

- Measure the area where the PCD will be installed.
- Cut the PCD to size using a utility knife or scissors. Ensure you leave enough material to properly fit the area.

Step 2: Lay the PCD

- Place the PCD on the surface with the filter fabric facing outward (away from the deck or wall).
- For walls, start from the base and work upward. For decks or roofs, start at one edge and roll it out.
- Ensure the orientation of the structured strand channels for the PCD 10/013 & PCD 10/025 (zig-zag pattern) are pointing in the direction of the desired drainage route. PCD 10/045 offers multi-directional drainage by design.

Step 3: Butt the Seams

- Butt the edges of adjacent rolls of PCD directly against each other, ensuring the edges are aligned and no gaps are present.

Step 4: Secure the Seams

- Apply **KeeneFlash 300 (6" wide flashing tape) or a similar flashing tape** along the entire length of the butted seams where rolls meet.
- Press down firmly to ensure a watertight bond.

Step 5: Overlapping Selvage Edges

- Overlap the selvage edge in a shiplap manner over top of the next roll and either tape down with **KeeneFlash 300 (6" wide flashing tape) or a similar lashing tape** or leave loose.

Step 6: Fasten/Secure the PCD

- For vertical applications (e.g., foundation walls), secure the top edge of the PCD with a termination bar. Fasten the bar with appropriate screws or nails.
- Apply a **pointing top bead of KeeneSeal 100** at the top edge of the termination bar to ensure a watertight seal.

Step 7: Ensure Drainage

- Make sure the surface has a positive slope to direct water toward drains.
- For foundation walls, ensure the PCD overlaps into the drainage tile system at the base.

Step 8: Install Overburden or Backfill

- For plaza decks or green roofs, install the overburden layer (e.g., soil, pavers, or concrete) on top of the PCD.
- Ensure that the PCD remains flat and does not shift during installation.
- For foundation walls, backfill with free-draining material like gravel, ensuring proper coverage and no damage to the PCD.

Completion

- Inspect for properly butted seams, taped seams, and secure fastening. Make sure there are no exposed or unsecured edges.

Double-Sided PCD Installation

Applicable to double-sided PCD products, where a drainage core is bonded to filter fabrics on both sides.

Preparation
- **Surface Prep:** As with single-sided PCDs, clean and dry the installation surface.
- **Drainage System:** Ensure a drainage system is in place, particularly for walls, green roofs, and decks.

Installation Steps

Step 1: Cut the PCD
- Measure the area and cut the PCD to size using a utility knife or scissors. Be sure to leave enough material to properly fit the area.

Step 2: Lay the PCD
- Place the PCD with the filter fabrics facing outward on both sides. This will allow water to flow through both layers while preventing debris from entering.
- For walls, start at the bottom and work upward. For decks and roofs, start from the edge and roll out the PCD.
- Ensure the orientation of the structured strand channels for the PCD 10/013 & PCD 10/025 (zig-zag pattern) are pointing in the direction of the desired drainage route. PCD 10/045 offers multi-directional drainage by design.

Step 3: Butt the Seams
- Butt the edges of adjacent rolls of PCD directly against each other, aligning the edges carefully to avoid gaps.

Step 4: Overlapping Selvage Edges
- Overlap the selvage edge in a shiplap manner over top of the next roll and either tape down with **KeeneFlash 300 (6” wide flashing tape) or a similar flashing tape** or leave loose.

Step 5: Secure the Seams with Flashing Tape
- Apply **KeeneFlash 300 (6” wide flashing taper a similar lashing tape** over the butted seams where the rolls meet.
- Firmly press the tape down along the seam to ensure a tight bond and prevent water infiltration.

Step 6: Fasten/Secure the PCD
- On vertical installations (like foundation walls), fasten the PCD with a termination bar at the top edge.
- Apply a **pointing top bead of KeeneSeal 100** over the top edge and the termination bar to ensure a fully watertight seal.

Step 7: Ensure Drainage
- Make sure the surface has a positive slope to direct water toward drains.
- For foundation walls, ensure the PCD overlaps into the drainage tile system at the base.

Step 8: Install Overburden or Backfill
- For plaza decks or green roofs, install the overburden layer (e.g., soil, pavers, or concrete) on top of the PCD.
- Ensure that the PCD remains flat and does not shift during installation.
- For foundation walls, backfill with free-draining material like gravel, ensuring proper coverage and no damage to the PCD.

Completion
- Inspect the installation for secure seams and proper drainage.
- Ensure that water will flow toward designated outlets without pooling or leakage.

General Notes for All Installations

- **Storage:** Store rolls on a dry surface, stacked no more than three rolls high to prevent deformation.
- **Cutting Tools:** Use a utility knife or scissors for cutting the PCD.
- **Handling:** Avoid dragging the rolls across rough surfaces to prevent damage.
- **Backfill or Overburden:** Ensure the backfill or overburden material is free-draining to allow water to pass through the PCD.

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