



Product Description

PC-Drain and PC-Drain HD are two-part prefabricated geocomposite drains consisting of a formed polystyrene core covered on one side with polypropylene filter fabric. The fabric allows water to pass into the drain core while restricting the movement of soil particles which might clog the core. The core allows the water to flow to designated drainage exits. PC-Drain is designed for vertical applications and may be used for horizontal planters and underslab. PC-Drain HD is designed for horizontal applications. PC-Drain and PC-Drain HD with 1/2" height can move more drainage water per foot width than a layer of stone which is 1' wide and 180" high.

Color

Black

Vertical Installation

Measure wall height or lift, adding sufficient material for overlapping pipe detail. Unroll PC Drain and cut to length. Peel back fabric from drainage core and remove 4" of core. (Drain core should remain 2-3 inches below backfill.) Glue fabric to wall or tuck fabric under core when using a termination bar. Glue adjacent panels at the vertical joints, making sure that fabric overlaps to prevent soil intrusion when backfilling. At drain, peel back fabric from drainage and cut to fit. Tuck excess fabric under core, making sure inner core has direct contact with drain. Backfill as soon as possible.

Horizontal Installation

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

Features

- Excellent Compressive Strength
- High Puncture Resistance
- Relieves Hydrostatic Pressure
- Superior Water Flow to Drain

Typical Uses

- Elevated Pool Deck Cavities
- For Use with AQUASEAL 5000 Series
- For Use with PC IM 129
- Planters
- Plaza Decks
- Split Slabs

Packaging

1 roll (4'ft X 50' ft)

Fabric Physical Properties (Polypropylene Material)

	PC-DRAIN	PC-DRAIN-HD
Grab Tensile Strength, ASTM D4632	110 lbs (50 kg)	370 x 250 lbs (1647 x 1113 N)
Puncture Strength, ASTM D4833	65 psi	120 lbs (534 N)
Grab Elongation, ASTM D4632	60%	15%
EOS (AOS), ASTM D4715	100 Sieve (0.152 mm)	40 Sieve (0.425 mm)
UV at 500 Hours (Strength Retained), ASTM D4355	70%	90%
Flow Rate, ASTM D4491	150 gal/min/ft ² (6110 L/min/m ²)	60 gal/min/ft ² (2460 L/min/m ²)

Core Properties (Polystyrene Material)

	PC-DRAIN	PC-DRAIN-HD
Thickness, ASTM D1777	7/16 in. 1.11 cm	7/16 in. 1.11 cm
Compressive Strength (± 5%), ASTM D1621 (mod)	15,000 lbs/ft ² 72 x 10 ³ kg/m ²	20,000 lbs/ft ² 98 x 10 ³ kg/m ²

Drain Properties

	PC-DRAIN	PC-DRAIN-HD
Flow Capacity, ASTM D-4716	16 gpm/ft of width (200 l/min/m of width)	21 gpm/ft of width (260 l/min/m of width)
Roll Length	50 / 100 ft (15.24 / 30.48 m)	50 ft (15.24 m)
Roll Width	1 / 2 / 4 ft (0.31 / 0.61 / 1.22 m)	4 ft (1.22 m)
Roll Weight	23 / 45 lbs (10.4 / 20.4 kg)	45 lbs (20.4 kg)

*All information, drawings and specifications are based on the latest product information available at the time of printing. Constant improvement and engineering progress make it necessary that we reserve the right to make changes without notice. All physical properties are typical values. Standard variations in mechanical properties of 10% and in hydraulic properties of 20% are normal.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests accurately represent all environments. Polycoat Products is not responsible for typographical errors. © 2020 Polycoat Products. All rights reserved. Revision 20200526.EA