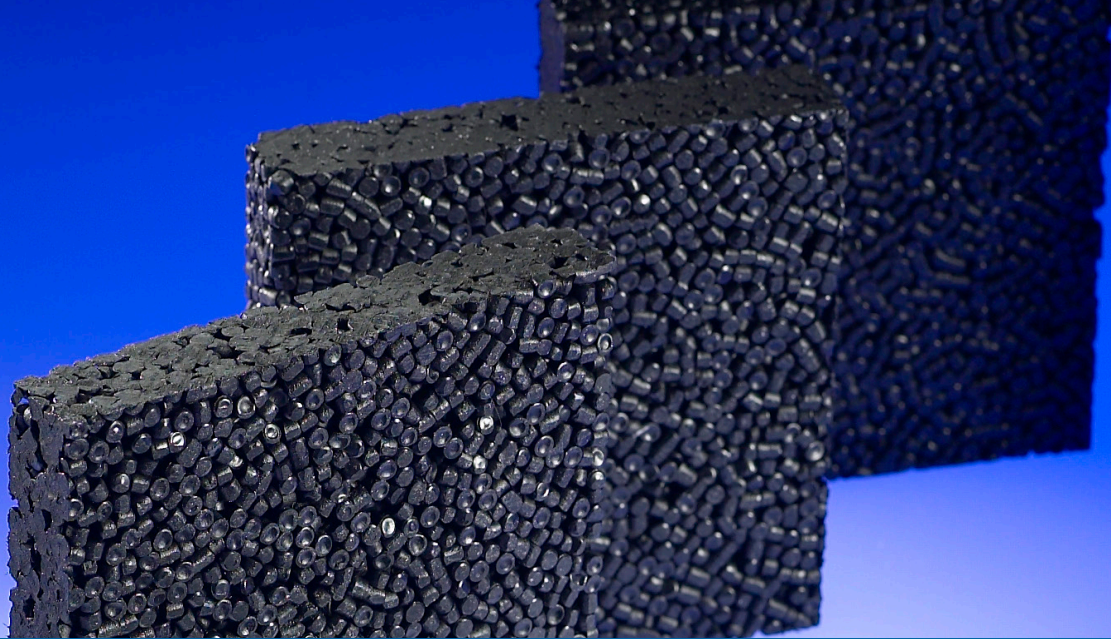


POREX® Underdrain Plates

Municipal & Industrial Water Treatment | Process Water Treatment | Drinking Water Treatment



Key Benefits

- Supports bed depths of 20 feet or more
- Overlapping edges (for leak free installations)
- Uniform distribution of back flush (to increase backwash efficiency)
- High strength
- UV resistant
- Long system life
- Easy to install using multiple fasteners
- NSF-61 material certified for drinking water applications

Genuine Porex™: When Performance Counts.



POREX® Underdrain Plates were developed to support sand and multimedia filtration beds in municipal, industrial, and residential water treatment processes. These plates function like a "false floor" allowing for maximum, uniform water flow-through in either direction without loss of filtering media. This enables automatic backwashing of the filtration system for improved bed regeneration and long system life. POREX Underdrain Plates offer durability, efficiency, and easy installation to water filter treatment systems. Customized plate tooling and fabrication processes are also available.

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POREX Underdrain Plates are available in three standard sizes. Additionally, we offer standard stock materials and fabrication capabilities to meet the specific requirements of your system.

Standard Items:

Item #	Dimensions	wt (Kg)	Material
X-6089	29.5cm x 97.8cm x 1.9cm (with 2.54cm Lap Joint)	3.63	Polyethylene (HDPE)
X-6091	19.2cm x 97.8cm x 1.9cm (with 2.54cm Lap Joint)	2.22	Polyethylene (HDPE)
X-6080	29.5cm x 97.8cm x 2.54cm (with 2.54cm Lap Joint)	4.85	Polyethylene (HDPE)

Product Specifications:

Bulk Density (pounds): Cubic Foot = 39
 Pore Volume: 40 – 50%
 Break Point: (70°F) 550 pounds/linear foot
 (line load on 14.6cm wide span)
 Modulus of Rupture: (70°F) 700 pounds/square inch minimum
 Air Permeability: 100 SCFM ± 25% per ft²
 (mean permeability per plate
 at 2.54cm water column)

Water Permeability:

(using 11 inches
of filter sand)

Gravity Flow		Backwash Flow	
Flow Rate (Gal/Min/Sq Ft)	Head Loss (Inches of Water)	Flow Rate (Gal/Min/Sq Ft)	Head Loss (Inches of Water)
1.2	0	4.8	½
4.8	¼	9.7	1
6.7	½	15	1½
		20	2¼

Custom Fabrication:

(utilizing stock
material #X-21265)

Stock Material Item #	Dimensions	Material
X-21265	149.9cm x 128.3cm x 1.9cm	Polyethylene (HDPE)

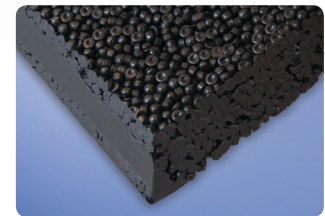
Fabrication Capabilities:

- Cutting: Lap joints, mill slots, beveled edges, round-over edges
- Welding: Butt-welds, side-welds
- Drill Holes: As specified in customer's drawings



The "Genuine Porex" label is a promise that this product has been rigorously designed and tested to meet the highest standards of performance.

If it's not POREX, it's not Genuine.



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