



Root Barrier



HIPPOSHEILD™ ROOT BARRIER

HIPPOSHEILD™ Root Barrier from Chemco is a proven solution to providing efficient protection against insistent root growth for urban infrastructures like piping, pavements, paved areas, roads, water, sewage networks and cabling. It is essential and required because uncontrolled root growth can be very costly when the damage to any installation becomes apparent and disfigured.

Chemco offers a vast range of durable products. Our HIPPOSHEILD™ Root Barrier coated woven fabrics is made with exclusive high density polyethylene coatings for maximum toughness and abrasion resistance. HIPPOSHEILD™ Root Barriers are available in 12 feet wide widths and can be factory fabricated and transported to the worksite if required. Combining that with the lightweight construction of HIPPOSHEILD™ Root Barrier helps reduce transportation costs and the amount of field seaming required, translating to big savings in installation costs and timing. Liners come in medium or heavyweight fabrics with varying coating thicknesses and a black colour HIPPOSHEILD™ Root Barrier woven coated fabrics are designed for easy installation and long life, featuring unique benefits that make the most effective and efficient choice.

ADVANTAGES

- Prevents insistent root growth from damaging piping
- Effectively distributes planted areas in parks
- Effectively averts rhizome propagation (e.g. bamboo)
- Can be installed flat or straight
- Easy and quick to install
- Resistant to rotting in the soil
- 12 feet large width fabricated panels for easy customizations
- Multilayered reinforced films provide added resistance to tears & punctures
- Engineered coatings provide exceptional hydrostatic resistance and heat seaming resistance
- Technologically designed for UV resistance as well incase of above surface installation

AVAILABLE THICKNESS

255gsm / 300mic

430gsm / 500mic

655gsm / 750mic

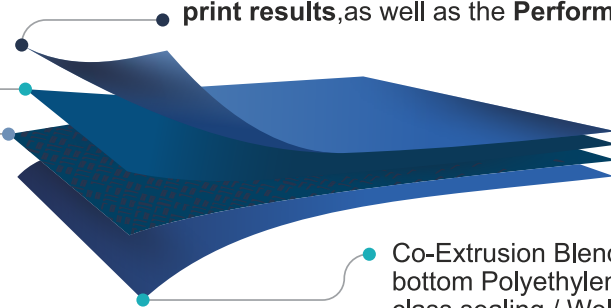




STRUCTURE

Blend of high bonding strength Polyethylene polymer for best in class bonding strength with Film.

High Strength Reinforced woven HDPE Fabric made with Best in class Lowest Shrinkage HDPE tapes weaved on value engineered Swiss make Suzler Flat Looms to achieve required flatness.



Our In-house Assured **Reifenhauser** Three Layered Ultra Flat Film Technology Best in Class **Flatness** properties of films. This increases both the **Efficiency** and the **Quality of the print results**, as well as the **Performance in Laminating**.



Co-Extrusion Blended High Sealing strength bottom Polyethylene layer assuring Best in class sealing / Welding strength

TECHNICAL SPECIFICATION

Sr. No	PROPERTY	TEST / METHOD	TYPICAL VALUE ¹	
			ENGLISH	METRIC
1	Weight	ASTM D751	12.3 oz./yd ²	420 g/m ²
2	Thickness	ASTM D751	-	0.5 mm
3	Strip Tensile Strength (MD)	ASTM D7003	265 lbf	1220 N
4	Strip Tensile Strength (CD)	ASTM D7003	229 lbf	1019 N
5	Tongue Tear (MD)	ASTM D5884	68 lbf	285 N
6	Tongue Tear (CD)	ASTM D5884	68 lbf	249 N
7	Hydrostatic Resistance	ASTM D751	600 lb/in ²	3771 kPa
8	Carbon Black Content (%)	ASTM D4218	2.5, ±5	
9	Standard Roll Width		12 ft	3.7 m
10	Standard Roll Length		450 ft	
11	Approximate Roll Weight		211 Kg	
12	Tear Resistance N, Min	A1 of IS:7016 part 3	290	
13	Seam strength before UV exposure(n/mm), Min	Annex E IS: 15351	42	
14	Seam strength after UV exposure(n/mm), Min	Annex B&E IS :15351	90% of actual original value	

For creating custom sizes and tubes use HIPPO™ Heavy-Duty Double or Single Sided Tapes which are sold separately. These heavy-duty tapes are made of extremely strong materials with an extensively researched adhesive, giving it immense bonding capabilities that allow for various customizations with ease.





CHEMCO PLASTIC INDUSTRIES PVT. LTD.



HEAD OFFICE

Chemco House, 6th Floor, D Sukhadwala Road, Fort, Mumbai 400001, India, Telephone: +91 22 22821777
Mobile: +91 99744 04255

EXPORT OFFICE

78 Virwani Industrial Estate, off W. E. Highway, Goregaon East, Mumbai 400063, India

UNITED STATES OFFICE

Irvine, California 92620
Mobile: +1 (949) 394-7566



Email: inquiry@hippotechnotex.com

HippoTechnotex.com