



# CRICKET

ROOT BARRIER MEMBRANE ]





**CRICKET**

**[ A L X E M Y ]™**

# PE ROOT BARRIER MEMBRANE, EASY TO USE, INSTALL AND WELD, MADE OF 100% RECYCLED POST-CONSUMER MATERIAL

A strong and flexible reinforced post-consumer recycled polyethylene Geomembrane Sheet for root penetration protection applications



## DURABLE, FLEXIBLE AND REINFORCED ENHANCED FORMULA



CRICKET



HDPE Root barrier according to European Standard EN13948 – FLL Green Roof Guidelines



Applied to Rhizome and Bamboo roots



Made of 100% Recycled Post-Consumer Material



Easy to install



UV resistance



Available in 8mm; 1mm; 1.5mm

## DIMENSIONS

- Thickness: 0.8 mm (30 mil), 1.0 mm (40 mil), 1.5 mm (60 mil).
- Width: Up to 2.2 meters (7.2')
- Length: According to customer requirements





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## PRODUCT FEATURES

- Waterproofing
- Flexibility
- Structural strength
- High resistance
- Low adhesion
- Easy to apply
- Inert
- Low permeability to chemicals
- Can be cut and / or folded easily
- Recycled from post-consumer plastic waste
- Recyclable

## TECHNICAL SPECIFICATIONS:

- Material: PE
- Chemical formula:  $(C_2H_4)_n$
- CAS No.: 9010-79-1
- Description: Recycled PE sheet

## GENERAL APPLICATIONS

Root penetration protection including but not limited to:

- Construction
- Pavements
- Green roofs
- Canals and reservoirs
- Infrastructure channels





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## Polyethylene sheet

### DESCRIPTION AND APPLICATIONS

Recycled polyethylene sheet used for root damage and penetration protection - 0.8mm / 1mm / 1.5mm thickness

**Sample ID:** HDPE Sheets  
**Rates:** FLL-Plant Root Test  
 0.8mm / 1mm / 1.5mm

 Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V.	TEST	METHOD	RESULT
	FLL - Plant Root Test	EN 13948	PASS



The data is based on tests performed in compliance with European standard (Label CE)

### TECHNICAL PROPERTIES:

PROPERTIES	METHOD	TYPICAL VALUE			UNIT
		CRICKET 0.8	CRICKET 1	CRICKET 1.5	
Thickness	ASTM D-5199	0.8±10%	1±10%	1.5±10%	%
Density	ASTM D792	0.94-0.96			g/cm <sup>3</sup>
Ash content	ISO3451-1	2			%
Tear resistance	ASTM D-1004	68-72	90-97	165-182	N
TENSILE PROPERTIES					
Break elongation	ASTM D-6693	554-446	490-500	436-400	%
Break strength	ASTM D-6693	15-18	15-17	18-26	kN/M
Yield elongation	ASTM D-6693	8-12	24-29	20-79	%
Yield strength	ASTM D-6693	8-12	8-10	14-16	kN/M

\*Disclaimer: The data included above relies on the data of the recycled products in their original forms. Due to changes that may occur in implementation processes, as well as additives, consumption, and/or other manipulations by the end user, the characteristics of the actual material may differ significantly. The customer is solely responsible for determining if the product is suitable for his applications and uses.