

# TerraBARRIER™ RB20



## 20-Mil HDPE Root Barrier

### Description

Terra-BARRIER™ RB-20 is a 20-mil, high-density polyethylene (HDPE) sheet that effectively arrests root penetration and redirect roots to a horizontal growth plane. This helps to lock in vegetation, preventing root damage to the waterproofing membrane and root intrusion into green roof and planter applications while increasing resistance to wind up-lift forces.



### Benefits

- Direct roots into a horizontal plane away from waterproofing
- Prevent root damage to the waterproofing membrane
- Prevent root intrusion into green roof & planter applications

### Installation

All laps should be a minimum of 12 inches. Turn up a minimum of 4 inches above the finish elevation line at perimeters and projections, then temporarily tape to the walls. Tape all seams with Terra-BARRIER™ Seam Tape. Repair punctures and any other damages before installing the drainage mat.

### Properties

Description	Measurement	Test Method
Thickness	20 mils	ASTM D-5119
Weight	9.3 lbs/100 sq ft (approx)	
Tensile Strength at break	96 ppi	ASTM D-6693
Elongation@Break*	900%	ASTM D-6693
Tear Resistance	12 lbs	ASTM D-1004
Puncture Resistance	40 lbs	ASTM D-4833
Oxidation Induction Time	100 min	ASTM D-3895
Carbon Black	2.4%	ASTM D-4218
2% Secant Modulus	30,000 psi (max)	ASTM D-5323
Hydraulic Conductivity	$3.30 \times 10^{-10}$ cm/sec	
Static Use Temperature	Max 180°F Min -70°F	

### Coverage

773 sq/ft

### Uses

- Green roofs
- Landscaping
- Commercial planters
- Retaining walls



53" x 175'  
76 lbs per roll  
16 rolls per pallet