



gtRootbarrier 325

Introduction:

gtRootBarrier 325 is manufactured using a unique coating to make it totally impermeable and is only available in the UK from Green-tech. Tree management means that the natural requirements of the tree are combined with the need to protect structures from the root system. We recommend that care is taken in laying the product and if in doubt consult a qualified arborist. Rootbarrier effectively controls the roots whilst protecting the tree roots from pollutants and acids in the soil. This helps the tree to establish quickly and keep it healthy, especially in the first five years of life.

Sizes:

Width	65cm	100cm	130cm	200cm
Roll Length	50m	50m	50m	50m
M ² /roll	32.5m ²	50m ²	65m ²	100m ²
Weight per roll	11kg	17kg	22kg	32kg



Technical Data:

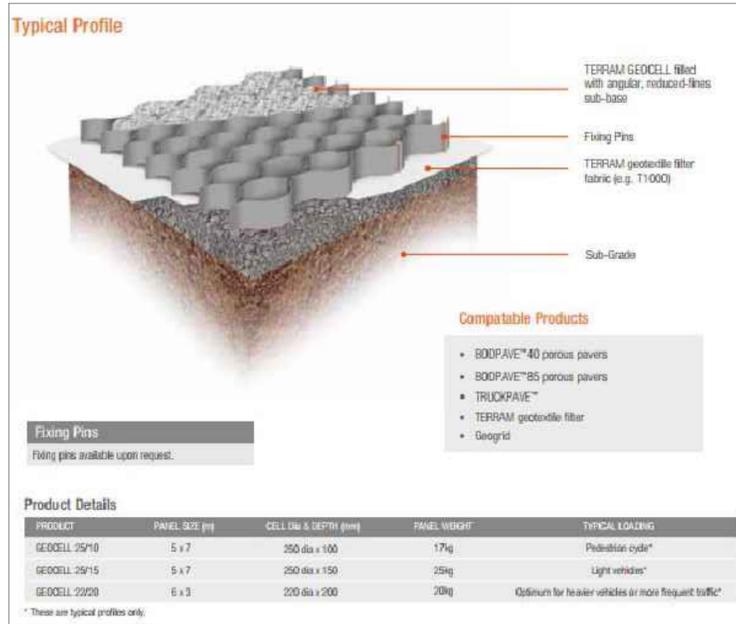
Weight	325 gr/m ²	EN-ISO 9864
Puncture Resistance	3420 N	DIN 54307
Tensile Strength MD	22.8 kN/m	ISO 10319
Tensile Strength CMD	23.1 kN/m	ISO 10319
Tensile Strain at Max load MD	59.4 %	ISO 10319
Tensile Strain at max load CMD	41.3 %	ISO 10319
Tearing Strength MD	650.0 N	ASTM D 4533-1996
Tearing Strength CMD	607.0 N	ASTM D 4533-1996

The data are average values and indicative, based on the test report Nr. 1.1/25524/0198.0.1-2010 of Institut für Textile Bau und Umwelttechnik GmbH (tBU), Greven, Germany

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D 02 LD-13-PP: Spiral tree guards 60cm to standard trees, specimen trees and 30-40cm to whips and hedge



D 03 LD-13-PP: Terram Geocell non-dig pathway / Geogrid buildup

D 05 LD-13-PP: Typical Lockable Bike Shelter
 Quadro Cycle Shelter With Lockable Gates for 10 Bikes - or similar approved
<http://www.premierlimited.co.uk/6-contemporary-shelter-with-lockable-gates-for-10-bikes-pet-csg10-i482.html>

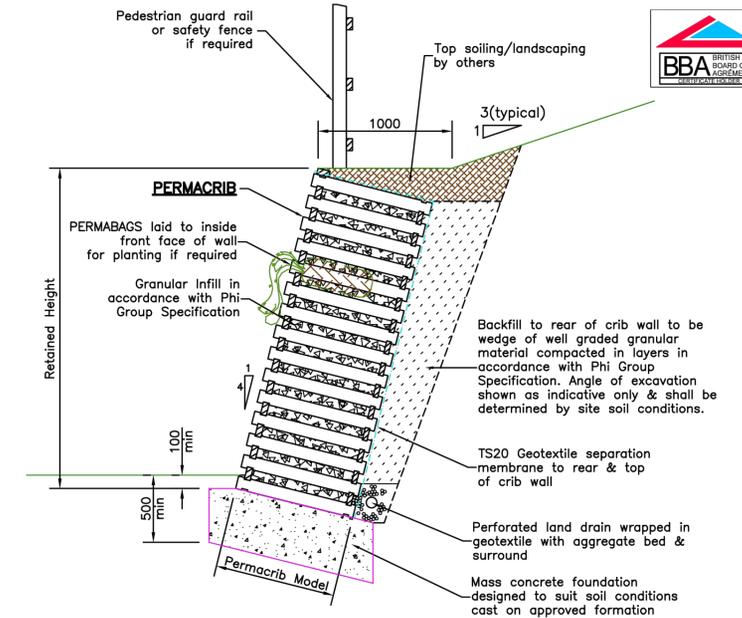


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Header Size	Effective angle of internal friction for soils 30° to 35°					Effective angle of internal friction for soils 36° to 40°					
	1m	1.5m	2m	3m	4m	1m	2m	3m	4m	5m	6m
Permacrib 600	✓					✓					
Permacrib 750	✓	✓				✓	✓				
Permacrib 900	✓	✓	✓			✓	✓	✓			
Permacrib 1050	✓	✓	✓	✓		✓	✓	✓	✓		
Permacrib 1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Permacrib 1350	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Permacrib 1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Permacrib 1650	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

(Higher retained heights can be achieved by combining header sizes.)

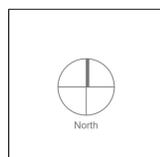
PLEASE NOTE:
 This diagram & table are for illustration/guidance use ONLY and should only be used for approximating the system sizes. Exact dimensions and design to be undertaken by Phi Group based on actual design parameters and site requirements

D 04 LD-13-PP: Timber permacrib retaining wall



D 01 LD-13-PP: Root barrier

Rev.	Date	Note
00	0000-00-00	00



General Notes	

Project Name: Taylor's Lane Residential scheme Ballyboden, Dublin

Project No: 19-039

Date: 14/03/2023

Scale: As shown

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Drawing Name: Landscape Details 13

Drawing No: LD-13-PP

Revision No: 00

Drawn By: J.A. DOT

Checked By: DOT

Doyle & O'Troithigh Landscape Architecture