

Product code: IW5035, IW7535, IW10035, IW15035, IW20035

InfraWeb TRP (Tree Root Protection) is a 3 dimensional cellular confinement system used to construct vehicular access roads, parking areas etc around the RPA of existing trees. The system is manufactured in accordance with the original U.S. Army Engineers Corps specification and conforms to the requirements of BS5837 and APN12. The system is available in five depths 50mm, 75mm, 100mm, 150mm and 200mm.



UNIT TYPE	TEST METHOD		UNIT	VALUE				
PHYSICAL PROPERTIES								
Density	ASTM D1505		gr/cm³	0.950 ± 0.015				
Wall thickness (textured)	ASTM D5199		mm	min 1.25 ± 0.15				
Carbon black content (for black only)			%	2.0 ± 0.5				
Durability (to be covered within 1 month after installation)	Durability Assessment Report No. 90-15-0322 Date: 30.11.15			Predicted to be durable for a minimum of 50 years in natural soils with 4<pH<9 and soil temperature ≤ 25°C.				
Unit height			mm	50	75	100	150	175
Seam tensile peel strength	ASTM 4437		N/cm	>750	>1130	>1500	>2250	>3000
Minimum strength value	EN ISO 13426-1	Method A: Tensile shear test	kN/junction	0.90	1.35	1.80	2.70	3.60
			kN/m	3.60	5.40	7.20	10.80	14.40
	EN ISO 13426-1	Method B: Tensile shear test	kN/junction	0.75	1.13	1.50	2.25	3.00
			kN/m	3.00	4.50	6.00	9.00	12.00
Cell walls				Textured and perforated (11% ± 2%)				
Number of cells			#/m²	34.3				
Diagonal length			cm	24.2				
Cell wall length			cm	356				
Cell area			cm²	292				
Expanded unit width			m	2.42				
Expanded unit length*			m	8.0				
Coverage*			m²	19.3				
Unit weight*			kg	11.8	17.7	23.5	17.7	23.5

* Other lengths, widths and coverage available on request. (Length, width and coverage dimensions are for square cells)

Key Benefits

- No dig solution
- Reduces compaction of subsoil around tree roots
- Reduces subbase thickness
- Allows clean angular stone to be used within the cells
- Dissipates vertical loads
- Allows air and moisture transfer
- Can support any type of vehicle loading

Applications

- Tree root protection

Technical Support

Detailed guidance and assistance is available.

For further information, please contact our Technical Team on **+44 (0) 1509 615100** or email civils@polypipe.com

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