

The ArborRaft system prevents damage to the root structure from vertical pressures by absorbing imposed loads placed upon it. This permits the root structure of new and existing trees to grow in a healthy environment. The structural void created by the ArborRaft can be filled with a nutrient rich soil to act as a slow release fertiliser, continually feeding the root structure when combined within a permeable or porous paving construction.



## Key Benefits

- The ArborRaft system creates a structural 'raft'
- The structure accommodates vertical and lateral forces from vehicular loading; whilst the soil remains uncompacted
- The ArborRaft provides the ideal sub-base replacement layer for the pavement
- The 50mm air gap within the system facilitates re-oxygenation of the soils
- The air gap prevents root growth into the pavement
- The air gap and the uncompacted soils facilitate the movement of water through the system

## Applications

- Tree Root Protection
- Tree Root Development

## 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](mailto:civils@polypipe.com)

UNIT TYPE	VALUE
<b>PHYSICAL PROPERTIES</b>	
Material	Polypropylene
Length	708mm
Width	354mm
Height	150mm
Unit weight	3.00kg
Ultimate tensile strength of a single joint	42.4kN/m <sup>2</sup>
Tensile strength of a single joint at 1% secant modulus	18.8kN/m <sup>2</sup>
Bending resistance of unit	0.71kN/m
Bending resistance of single joint	0.16kN/m
<b>SHORT TERM COMPRESSIVE STRENGTH</b>	
Vertical	715kN/m <sup>2</sup>
Lateral	156kN/m <sup>2</sup>
<b>SHORT TERM DEFLECTION</b>	
Short-term vertical deflection	1mm per 126kN/m <sup>2</sup>
Short-term lateral deflection	1mm per 15kN/m <sup>2</sup>

Ancillary Products: ArborRaft Connection Tie, Permatex 300 Geotextile, ArborRaft TRC 30 reinforced Geotextile.

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