

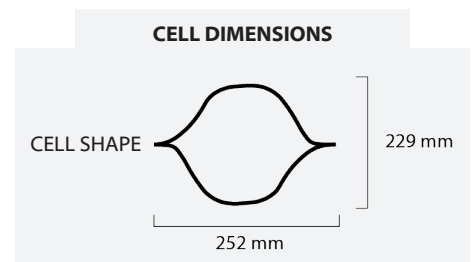
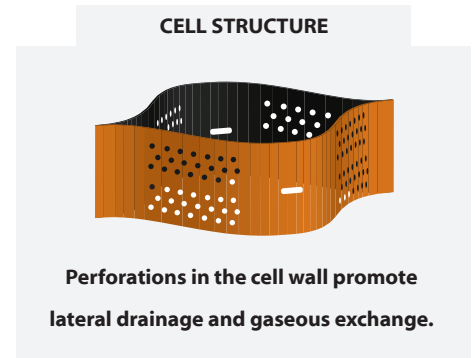
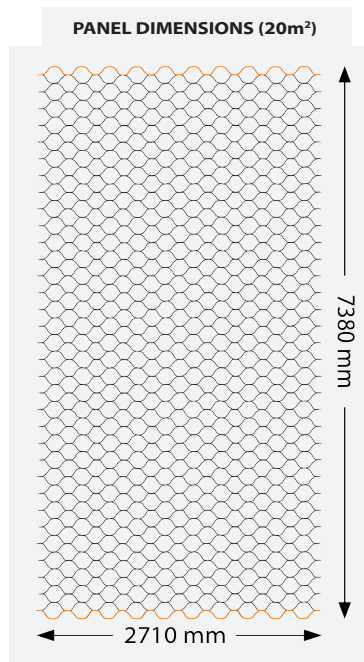
CORE TRP - Tree Root Protection Data Sheet

CORE TRP is a 3-dimensional cellular web system that provides protection to the roots of mature trees from pedestrian and vehicular traffic.

It comprises of:

- Geocellular confinement panel that provides 3-dimensional load distribution;
- Highly Porous and puncture resistant TRP membranes;
- TRP geogrid that provides additional 2-dimensional support (optional).

The CORE TRP system is fully compliant with BS 5837:2012 section 7.4.2 Note 1 and has been specifically designed to achieve the 'No Dig' construction method set out in APN12.



TECHNICAL PROPERTIES

PROPERTY	TEST	VALUE
PANEL MATERIAL		100% VIRGN HIGH DENSITY POLYETHYLENE
NOMINAL SHEET THICKNESS (Before Texturing)	ASTMD5199	1.00mm (± 5%)
NOMINAL SHEET THICKNESS (After Texturing)	ASTMD5199	1.27mm (± 5%)
CELL SIZES		50mm 75mm 100mm 150mm 200mm
SEAM WELD STRENGTH		710kN 1065kN 1420kN 2130kN 2840kN
PERFORATIONS		11 ± 2% 16 ± 3% 11 ± 2% 16 ± 3% 11 ± 2%
ENVIRONMENTAL STRESS CRACK RESISTANCE	ASTMD 5397	> 400 Hours
ENVIRONMENTAL STRESS CRACK RESISTANCE	ASTMD 1693	6000 Hours
TENSILE STRENGTH		18.4 MPa / 19.5 MPa
TEMPERATURE RANGE		-20°C to + 120°C
POLYMER DENSITY	ASTMD 1505	0.935 - 0.965 g/cm ³
CARBON BLACK CONTENT	ASTMD 1603	1.5% (% by weight)
MATERIAL SURFACE FINISH		Textured polyethylene strip with rhomboidal indentations at a rate of 31 p/cm ²
180° PEEL STRENGTH (long term)		A 100mm wide seam sample shall support a 72.5 kg load for 30 days minimum in an ambient room temperature environment.
PANEL CONNECTION METHOD		High strength virgin HDPE nut & bolt