Cellweb ® - Tree Root Protection

Cellweb ® TRP is a 3D cellular confinement tree root protection system. The system provides a 'no dig' solution for the construction of new hard surfaces within root protection areas (RPAs). Cellweb® TRP has been designed and independently tested to comply with recommendations made in Arboricultural Practice Note 12 and BS 5837 2012 - Trees in relation to design, demolition and construction.

Cellweb® TRP Key Functions

Cellweb® is a 'no dig' solution which is constructed directly on the existing ground surface. This eliminates the requirement for excavation, preventing root severance.

Cellweb® is a completely porous system allowing continued water permeation and gas exchange between the rooting environment and atmosphere.

Cellweb® spreads point loads, minimising increases in soil compaction within the rooting environment. This maintains an an open graded soil structure allowing root growth, water, gas and nutrient.

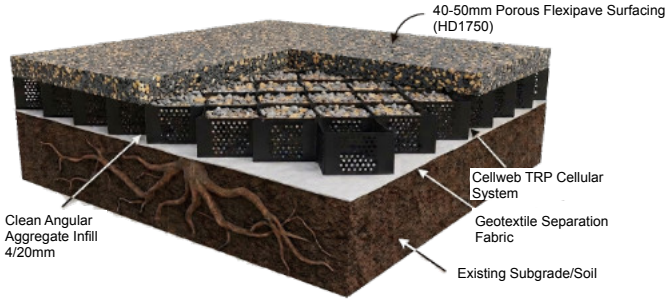
Cellweb ® TRP system comprises the following three components

Cellweb® 3D Cellular Confinement This is fixed to ground using ten steel J pins per panel. The panels can be cut to the required shape and adjoining panels can be connected using heavy duty staples or cell ties.

4-20mm Clean Angular Stone The expanded Cellweb® is infilled with 4-20mm clean angular stone. The confined angular stone locks together to produce a rigid stone mattress, while maintaining air pockets for continued water permeation and gas exchange. The low fines content of the stone prevents layer beneath becoming blocked over time.

Which depth of Cellweb®

The Cellweb® System is provided in four different depths, 200mm, 150mm, 100mm, 75mm. Flexipave installed at min depth 40mm - 50mm. The depth required is determined by the proposed traffic loadings and the site ground conditions. For technical support please contact



PMP Surfacing Ltd
Unit 1, NEXUS, Dodworth,
Barnsley S75 3UD
t: 01226 447292
e: info@pmpsurfacing.co.uk