

Installation guidelines Tree Root Protection

- 1 Prepare and level the surface by removing vegetation and debris and filling hollows in the surface with clean angular stone and/or sharp sand as required. Soil should not be removed or compacted as this could cause damage to the underlying tree roots.
- 2 Install a layer of Earthworx NW1000 Geotextile Fabric over the prepared surface and extend beyond the area to be covered by the Groundcell by approx 300mm. If joins are required in the geotextile, these should be overlapped as per the engineer's specification (minimum 300mm).
- 3 Lay a panel over the surface and secure one edge of the panel (in the middle) with a Groundcell J Fixing Pin. Pull the panel out to its full length and secure the other end with a Groundcell J Fixing Pin. Repeat the same procedure across the width of the panel, stretching it out to its full width and securing in each corner with a Groundcell J Fixing Pin
- 4 Fully secure the panel to the surface using approx. 1 pin per square metre* evenly spaced. Cells should be fully expanded (and tensioned) to the cell size stated on the technical data sheet.
- 5 Repeat steps 4 and 5 to lay any additional panels required to cover the area. Staple or cable tie each cell together where adjoining panels meet.
- 6 Fill the cells with clean angular sub-base material such as Type 4/20mm or Type 20/40mm or as per the engineer's specification (refer to BS7533-13:2009). The cells should be overfilled by a minimum of 25mm and lightly compacted – use of heavy rollers / compaction equipment should be avoided as there is potential to damage the underlying tree roots.

Installation guidelines Erosion Control & Embankment Stabilisation

Groundcell panels can also be used for stabilising soil on embankments to prevent erosion and promote growth of vegetation. The panels should be laid and pinned in the same way as outlined above (pins should be used at 1m centres = allow approx. 2 pins per square metre* & this should be increased to 1 pin per cell at perimeters) and then backfilled with topsoil to the specification required.

* The quantity of pins required is a guide only as site conditions, including gradient of slopes and ground conditions can vary. The exact number of pins should be determined by a qualified engineer based on the site conditions.

The information contained in these installation guidelines replaces any previous information and all specifications and technical data appearing here must be used as guidelines only. It is the responsibility of all users to satisfy themselves that the installation meets the engineers required specifications. These installation guidelines do not offer any warranty (express or implied) regarding the suitability of any product for your use as site conditions and requirements can vary. REG Group Ltd reserves the right to alter product specifications, installation guidelines and technical data without prior notice.

