

Creating Green Infrastructure

The InfraWeb **TRP Solution**

How the system works....



PermaTex



InfraWeb

InfraveD InfraWeb TRP is a 3 dimensional cellular confinement system created by welding strips of 1.25mm high density polyethylene sheets together to create a flexible mattress. When filled with granular material the mattress acts as a structural raft spreading vertical loads across the raft thereby reducing the impact of wheel loads on the existing sub soils. The dissipation of these loads mear that the soils bulk density is maintained and compaction is limited to levels that are suitable for continued healthy root growth. The perforated and textured cell walls create a frictional interlock with the granular infill making the final system extremely strong and stable. Infraweb is available in 5 depths 50mm, 75mm, 100mm, 150mm and 200mm The system can be alcred in layers to create

InfraWeb is a 3 dimensional cellular confinement system manufactured in

The InfraWeb is filled with a specific grade of 4/20mm or 20/40mm granular may then be surfaced with any permeable or impermeable pavements.



Granular Infill

The selection of the correct stone infill is key to the performance of the system. If the correct stone is not used then the system will fail. The specification should be a 4/20 or 20/40mm stone clean angular stone in accordance with BS EN 1235. The clean stone infill allows water to infiltrate into the sub soil and allows aeration, the key components to maintaining a healthy root structure. An InfraWeb installation will always be more porous than the existing sub soils meaning the system does not change the porosity of the existing ground.



Surfacing

Ideally the system should be topped with a permeable surfacing such as porous asphalt, porous block paving, grass/gravel pavers, loose and bonded gravels, however, we understand this is not always viable therefore standard pavement constructions are also acceptable.