

Specification Advice

Driveway – ‘cell web’ urban permeable



Purpose

To provide a permeable, seamless, flexible and hard wearing car park.
Protect surrounding tree roots
Minimise compaction and maintain water and oxygen to tree roots
Suitable for no-dig areas.

<p>StoneSet Surface course – <i>hand applied and trowelled to a smooth finish by StoneSet or an approved installer</i></p> <p>An aggregate size of 3mm requires a minimum 30mm depth of StoneSet. An aggregate size of 6mm requires a minimum 35mm depth of StoneSet. An aggregate size of 10mm requires a minimum 45mm depth of StoneSet.</p>
<p>‘Cell Web’ Base course – Atlantis 52mm Gravel cell</p>
<p>0-100mm free draining crushed gravel, depth depending on ground conditions</p>
<p>Sub-base Porous sandy Gravel depth varies depending on sub-grade levels and condition</p>
<p>Sub-grade/existing surface – <i>a capping layer can be included if required</i></p>

Geotextile membrane

Advantages

An attractive and hardwearing, flexible solution for a highly permeable and low maintenance surface, trafficked by vehicles.

A natural aggregate finish with no loose stone. No toxins are released.

Notes

If there is a danger that standing water will soften the sub-grade in an unlined system a nominal fall to an outfall should be considered.

If plastic or silty sub grade is present it may be necessary to stabilise the sub grade or partially replace it with sub-base/granular capping.

Total sub-base thickness will be dictated by expected loading/required water storage capacity/sub grade strength.

This generalised specification is based on normal good practice for flexible surfacing and does not absolve the specifier from designing a construction suitable for the expected traffic and ground conditions pertaining on a given site. Please discuss suitable site specific details before specifying.

