

Specification Advice

Pathway – urban permeable



Purpose

To provide a permeable, seamless, flexible and hard wearing pathway.

Can be used help return rain fall to the water table.

<p>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 12mm depth of StoneSet. An aggregate size of 6mm requires a minimum 16mm depth of StoneSet. An aggregate size of 10mm requires a minimum 22mm depth of StoneSet.</p>
<p>Base course – <i>not necessary if overlaying an existing good condition concrete or asphalt surface.</i></p> <p>A 50mm depth of permeable StoneSet base course mix or A minimum 50mm of 14mm porous asphalt surface</p>
<p>A geotextile membrane - optional</p>
<p>Sub base – A minimum 150mm depth of well compacted 20/4mm Road base.</p>
<p>A geotextile membrane - optional</p>
<p>Sub-grade – <i>a capping layer can be included if required</i></p>

Advantages

An attractive and hardwearing, flexible solution for a permeable and low maintenance heavily trafficked by pedestrians and occasional maintenance 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.

