Rural Pedestrian Areas permeable base (SuDS compliant)



Information for specifiers, engineers and contractors

A 150mm minimum depth of well compacted Type 3 granular sub-base to SHW clause 805 or 4/40mm, 4/20mm graded crushed concrete aggregate to En12620 or locally available secondary or recycled aggregates which comply with the above specification blinded with 2/6.3mm graded crushed concrete aggregate to EN12620.



A FlexiSet aggregate size of 6mm requires a standard depth of 35mm

Capping Layer if required in one or more layers. (please see notes on reverse)

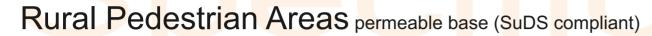
An impermeable membrane to convey water to infiltration/storage systems etc

OR

A geo-textile membrane to prevent upward migration of fine soil particles may be required.



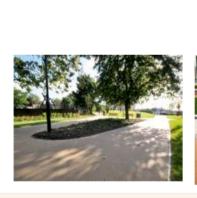
indicates permeable layer





Information for specifiers, engineers and contractors

For further information or technical enquiries, please contact the Technical Sales Team 01985 841180, mail@sureset.co.uk or visit our website www.sureset.co.uk







Notes

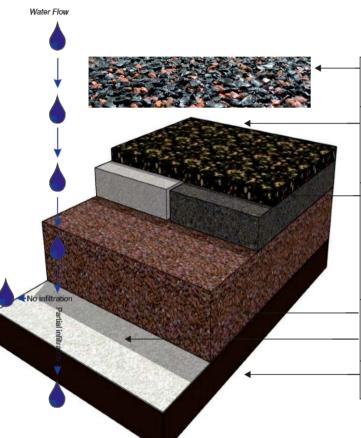
- FlexiSet can be overlaid onto existing asphalt or concrete surfaces of suitable construction for the traffic expected.
- Movement joints/construction joints in concrete should be extended up to the surface of the SureSet. Cracks should be broken out if necessary and filled with a polymer/cement crack filling material.
- It is advised that concrete bases are primed with a SureSet approved primer prior to installation.
- The maximum deviation of the binder course should not exceed 3mm under a 1 metre straight edge.
- The thickness of the sub-base layer required is dependent on sub-grade soil conditions and expected loading.
- If plastic or silty sub-grade is present (CBR<2%) then a granular capping layer may be necessary.
- SureSet base material is formulated using the same permeable technology as SureSet surface products. SureSet base can be used as an alternative option for the regulation of existing or newly laid bases to achieve required deviation tolerances (3mm under a 1 metre straight edge) or as a binder course where it is impractical to use more traditional base material.

For further information on any of the above please contact SureSet Technical Sales on 01985 841180

Pedestrian Areas SureCell® base (SuDS Compliant)



Information for specifiers, engineers and contractors



A FlexiSet aggregate size of 6mm requires a standard depth of 24mm

Fine grit is cast onto lightly cured surface

SureCell (Installed by SureSet or others)

52mm depth fully connected cellular reinforcement structure infilled with well compacted 4/10mm graded crushed aggregate to BS EN 12620.

Sub-Base

Minimum 75mm depth of well compacted Type 3 granular sub-base to SHW clause 805, or 4/40mm, 4/20mm crushed aggregate to BS EN 12610.

An impermeable membrane to convey water to infiltration/storage system etc

or

A geo-textile membrane to prevent upward migration of fine soil particles may be required.

Sub-grade

Full infiltration - water returns to sub-grade

Partial infiltration - impermeable membrane used to convey water to storage tank for either storage or controlled release



Pedestrian Areas SureCell® base (SuDS Compliant)



Information for specifiers, engineers and contractors

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Notes

- Appropriate edge restraints required.
- The sub-grade should be shaped and regulated where necessary and soft spots removed.
- The sub-base should be appropriately compacted using multiple passes of a vibrating plate compactor or suitably sized vibratory roller.
- The maximum deviation of the sub-base surfacing should not exceed 5mm under a 1 metre straight edge.
- 'SureCell' should be infilled with 4/10m crushed aggregate with a surcharge prior to compaction. Appropriate compaction using multiple passes of a vibrating plate compactor or suitably sized vibratory roller should be carried out until the granular material is flush with the top of the SureCell.
- If extra granular material is required add more then compact until the infill is flush with the top of the SureCell.

For further information on any of the above please contact SureSet Technical Sales on 01985 841180