

Specification Advice

For laying
SureSet flexible resin bound aggregate surfacing



Permeable Private Driveway (SUDS)

Water Flow

Fine sand lightly cast onto uncured surface

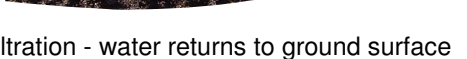
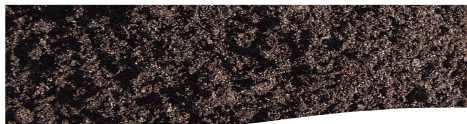


No infiltration

OR



Full infiltration



The typical depth of SureSet Permeable Paving surface:

A SureSet aggregate size of 6mm requires a 18mm depth layer of SureSet
A SureSet aggregate size of 10mm requires a 24mm depth layer of SureSet

Binder Course (laid by others in well compacted layers)

A 70mm minimum depth of maximum size AC 14 open surf asphalt concrete, max 100/150 pen to BS EN 13108-1:2006 (Bituminous Macadam)

OR

50mm SureSet equivalent base layer.

Sub-base (laid by others in one or more well compacted layers)

A 175mm 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.

An impermeable membrane to convey water to infiltration/storage system etc (optional)

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

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

Sub-grade

Full infiltration - water returns to ground surface

No infiltration - impermeable membrane used to carry water off to storage tank for either storage or controlled release

Purpose

An attractive, permeable and durable surface which avoids the need for planning permission under the 2008 SUDS Planning Order 1998 on the paving of front gardens.

Advantages

Permeable, minimum number of joints, easy to maintain and quick drying

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.

The maximum deviation of the base should not exceed 3mm under a 1 metre straight edge.

This 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.

Specification Advice

QRSA7137

Permeable Private Driveways (SUDS)

SureSet
Permeable Paving

Permeable Private Driveways (SUDS)



The details in this specification are intended only as a guide in specifying SureSet products, actual designs should be developed by the project designers taking into account the specific circumstances of the intended application. SureSet assumes no responsibility for improper reliance upon or misuse of the data herein. Product design and specification are subject to change without further notice.

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