

# Specification Advice

For laying  
SureSet flexible resin bound aggregate surfacing



## Access Roads cars & occasional delivery vehicles

Fine sand cast onto uncured surface



### The typical depth of SureSet permeable paving surface:

A SureSet aggregate size of 3mm requires a 18mm depth layer of SureSet  
A SureSet aggregate size of 6mm requires a 20mm depth layer of SureSet  
A SureSet aggregate size of 10mm requires a 26mm depth layer of SureSet



### Binder Course laid by others in a well compacted layer to a minimum fall of 1.5% (1/66)

A 35mm minimum depth of maximum size AC 10 close graded asphalt concrete, max 100/150 pen to BS EN 13108-1:2006. (Bituminous Macadam)



### Road Base laid by others in a well compacted layer to a minimum fall of 1.5% (1/66)

A 70mm minimum depth of a AC 32 dense base asphalt concrete max 100/150 pen to BS EN 13108-1:2006 laid in two or more layers. (Bituminous Macadam)



### Sub-base laid by others in well compacted layers to a minimum fall of 1.5% (1/66)

A 200-350mm minimum depth of well compacted non-frost susceptible Type 1 granular sub-base to SHW clause 803, or locally available secondary or recycled aggregates which comply with the requirements of the specifications for Highways Works for sub-bases.



### Capping Layer if required. (please see notes below)

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



### Sub-grade

## Purpose

To provide a permeable, seamless and durable surface

## Advantages

An attractive and easy to maintain surface that allows water to dissipate

## Notes

SureSet 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. Areas that may be trafficked by heavy vehicles should have structural layers designed according to Highways Agency requirements.

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

The thickness of the sub-base layer required is dependant on sub-grade soil conditions.

Total sub-base thickness will be dictated by expected loading and sub-grade strength.

If plastic or silty sub-grade is present, then a capping layer should be used in accordance with HA design Manual for Roads and Bridges HD 25.

*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.*

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QRSA7153  
Access Roads

**SureSet**  
Permeable Paving

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If you have any enquiries call our technical sales team on: +44 (0)1985 841180

*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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