

# Specification Advice

For laying  
SureSet flexible resin bound aggregate surfacing

## Tree Pit heavy pedestrian traffic



The diagram illustrates the construction layers for a tree pit. On the left, a vertical section shows a tree trunk. The layers from top to bottom are: SureSet aggregate, a sub-base of granular material, and soil. Two options for the SureSet surface are shown: Option 1 (newly planted trees) and Option 2 (both new and mature trees). Option 1 shows a vertical white line representing a collar. Option 2 shows a red diagonal line representing a ramped flexi-zone base. Text labels include: 'Loose gravel to match resin bound paving can be used inside collar.', 'Fine sand lightly cast onto uncured surface', 'OPTION 1 For newly planted trees', 'OPTION 2 For both new and mature trees', 'Tree trunk', 'The typical depth of SureSet Permeable Paving surface: A SureSet aggregate size of 10mm requires a 40mm depth layer of SureSet. Temporary or Permanent collar formed from circular plastic strip, land-drain pipe, wood etc. as appropriate. Allow 50mm minimum clearance around trunk. Installed by others. Not necessary for established trees.', 'The typical depth of SureSet Permeable Paving surface: A SureSet aggregate size of 10mm requires a 40mm depth layer of SureSet. SureSet flexi-zone base ramped up against trunk of tree to approximately mid point thickness of SureSet layer to profile SureSet into tapered edge to allow for tree growth.', 'Sub-base laid by others in well compacted layers A 150mm minimum depth of well compacted Type 3 granular sub-base to SHW clause 805 or 4/40mm, 4/20mm blinded with 2/6.3mm crushed stone graded concrete aggregate. EN12620.', 'Newly planted trees only. Not necessary in the case of established trees, providing the existing soil is stable and free draining.', 'Soil A suitable depth of well compacted reinforced tree sand worked well around the root ball to minimise settlement. A geotextile membrane can be used as a separation membrane between sub-base and soil layers.'

### Purpose

An attractive and natural looking flexible solution for a maintenance free tree surround.

### Advantages

To provide a permeable, seamless and durable surface which allows water and air to freely permeate through to the roots below.

### Notes

SureSet can be overlaid onto existing soil of an established tree, providing the soil is free draining. Areas that may be overrun by vehicles should have structural layers designed accordingly to Highways Agency requirements. The maximum deviation of the sub-base layer should not exceed 5mm 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 tree requirements, traffic and ground conditions pertaining on a given site.*

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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.*