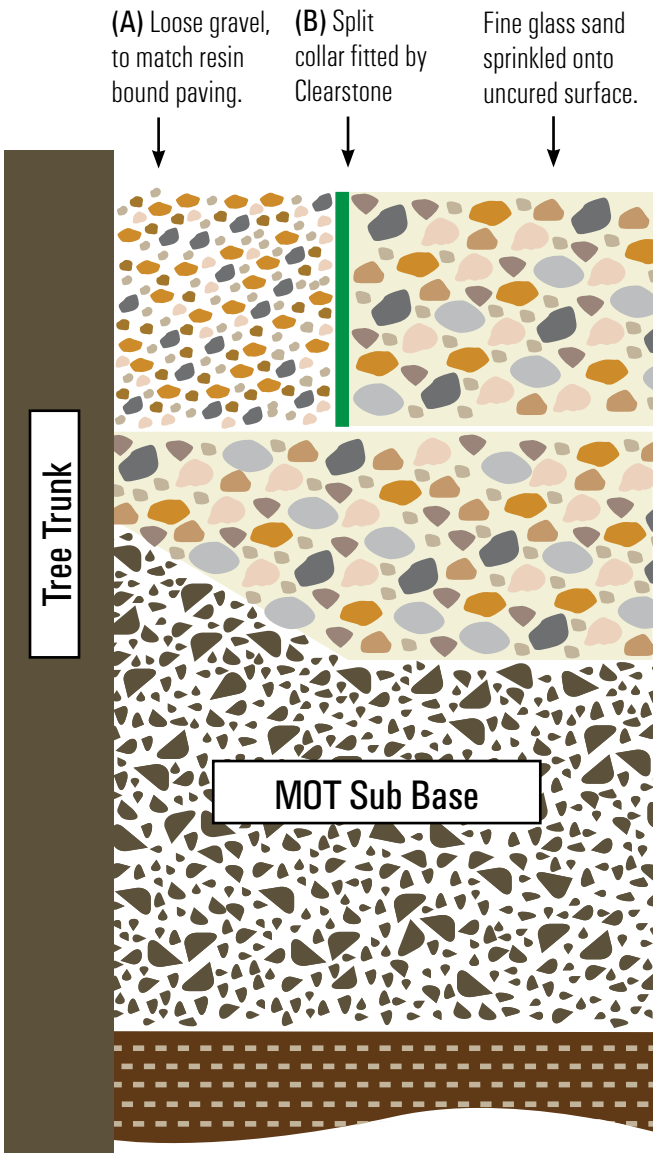
Clearstone
resin bound permeable paving specialists

Specification Advice
for laying flexible and permeable resin bound aggregate surfacing
Tel: 01273 358 177 www.clearstonepaving.co.uk

Spec 5.

Tree Pits - heavy pedestrian traffic (SuDS)



Newly Planted Trees:

Resin Bound Permeable Paving - laid by Clearstone

Resin bound aggregate, hand trowelled to a smooth finish.

A typical depth of Clearstone RBA, requires an aggregate size of **6 - 10 mm** at a depth of **40 mm.**

(A) Loose gravel, to match resin bound paving.
(B) Temporary or permanent collar formed from wood, circular plastic collar, purchased system etc. as appropriate. Allow **50 mm** clearance around tree trunk, for growth and expansion.
*This is not necessary with well established trees.

Mature Trees:

Resin Bound Permeable Paving - laid by Clearstone

Resin bound aggregate, hand trowelled to a smooth finish.

A typical depth of Clearstone RBA, requires an aggregate size of **6 - 10 mm** at a depth of **40 mm.**

A collar is not necessary with mature trees.

Soil: Sandy loam soil to be well compacted around tree roots, to avoid cavitation and settlement.

If required, a geo-textile membrane can be used as a separation membrane between sub-base and soil layers.

PURPOSE

Because resin bound paving is porous, allowing rainwater and air to pass through its structure, it can be laid over the roots of trees and shrubs. A resin bound tree base offers many advantages over traditional grilles or pits of loose gravel or soil:

• Tidy and attractive • Does not trap litter • Easy to clean with mechanical equipment • Stones are firmly embedded and cannot be scattered, kicked or thrown • Complies with SUDS regulations • Unlike metal tree grills, it cannot be stolen!

NOTES

- Clearstone RBA can be overlaid onto existing soil of an established tree, providing the soil is free draining.
- Areas that could be overrun by heavy vehicles should have structural layers designed according to Highways Agency requirements.
- Total sub-base thickness will be dependant on expected loading, water storage capacity, and sub-base strength.
- This specification is based on normal good practice for flexible resin bound surfacing, and does not absolve the specifier from designing a base construction suitable for the expected loadings of traffic and ground conditions existing on a given site.

Disclaimer: Whilst Clearstone Paving Ltd. endeavours to ensure that advice, specifications, recommendations and information given is correct, it cannot have control over how substrates constructed by others are done and will not accept liability, directly or indirectly, arising from poor workmanship.

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The figures quoted do not constitute a specification, they represent typical values obtained for the substrate of the product.

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