

gt Resibond

Description

Resibond is a high performance, two component UV stable resin system for use in tree pit surfacing as a binder for natural aggregate.

This polyurethane resin system binds the natural dried aggregate, giving resilience and toughness with a degree of flexibility. The cured material exhibits good strength and is non-yellowing. The mixed system is easy to apply.

The kit includes resin in 2 components marked A & B and 3 bags of 3-5mm size, washed and dried Brittany Bronze aggregate. The kit is designed for 1m² of surfacing (45mm thick). It can also be used with 2 bags of stone if it is anticipated that any significant superficial loading is likely to take place requiring additional resin binder and 250ml cleaning solvent.

Surface Preparation

Ambient temperature should be between 5 degree celcius and 35 degree celcius during application and cure.

Dry weather conditions and a dry substrate are essential.

For low temperature applications refer manufacturer.

Above the tree root ball a solid base should be created to accept the Tree Pit Surfacing. Tree soil should be placed around the root ball and well compacted. Above this, and separated by a geotextile membrane, a solid base of compactable free draining material should be provided. To help spread any superimposed loading this should be at least 150mm of 4/40mm crushed stone or Type 3 fill (Clause 805, specification of highway works). A reduced thickness of a finer grading would be acceptable if there is no superimposed loading.

Mixing and Application

Resin Binder

Resibond is supplied in pre weighed packs. Stir Pack B well until a consistent colour and pour into a container. Add Pack A and mix together until homogeneous (about 2 mins).

Binder & Aggregate

Place the dry aggregate into a mixer. Commence mixing and pour in the mixed resins. Mix for a minimum of 1 minute ensuring the aggregate is evenly coated.

If it has been necessary to dry the aggregate using heat it must be allowed to cool down (hot aggregate will accelerate binder curing).

Depending on the slope of the substrate, the use of the surface and the type of stone it may be necessary to apply a surface scatter of high friction grit to improve the frictional characteristics of the surface.

Application

The application area must be contained in order to support the wet resin mix before it cures. Typically there will be a kerb around the tree pit and a collar around the tree itself (sufficient to allow for growth). Apply the resin and aggregate mix immediately to prepared area. Either tamp down or finish with a trowel. Depending on the slope of the substrate, the use of the surface and the type of stone it may be necessary to apply a surface scatter of high friction grit to improve the frictional characteristics of the surface.

Technical Properties

Pot Life 20 degree celcius:	20 minutes
Cure @20 degree celcius:	3.0 - 4.0 hours

Health and Safety

It is recommended that barrier cream, gloves, boots and overalls be worn when using resibond. A respirator should be worn as required by the safety data.

For full details please refer to the appropriate material safety data sheets.

