

Tree Pit (PU TP UV) Application Data Sheet

DESCRIPTION

BoundWorx[®] PU TP UV is a cold applied clear polyurethane resin which is flexible and resistant to cracking. It is designed to bind a selection of washed, clean and kiln dry aggregates to give an attractive and porous surface to tree pits or light use footpaths.

BoundWorx[®] PU TP UV units of resin supplied in 1kg, 2kg or 4kg units.

SURFACE PREPARATION – NEW TREES

There needs to be a solid edging detail in place to lay up to. The ideal base is 50mm compacted MOT type 3 over tree soil. Lay the soil up to the desired depth, then lay the MOT type 3 and compact it down until 75mm shy of the surface for trafficked areas, or 50mm shy of the surface for pedestrianised areas. Add the tree collar before installing the materials, leaving enough room around the trunk for continued growth.

SURFACE PREPARATION – EXISTING TREES

There are a few different scenarios for existing trees. Please contact us to discuss the options for your specific project.

MIXING

Before adding it to the aggregate, the pre-weighed Part B (Hardener) should be added to Part A (Resin) and thoroughly mixed using a 110V drill and paddle mixer.

For mixing the resin and aggregate together, a drill and paddle mixer is only suitable for small loads of 25kg and under. On larger loads, a forced action mixer with a 110L capacity should be used.

The careful mixing of the resin and the aggregates is a very important part of the process **SHORT CUTS MUST NOT BE TAKEN** at any point. Complete units must be used as supplied.

APPLICATION

Ratio as follows: for every 1kg of resin, add 25kg of washed and kiln dried 6-10mm aggregate.

Mix the resin and aggregate for 2 minutes, then transfer into a lined wheelbarrow and move immediately to the point of application. Using a suitable trowel, spread the material evenly across the surface to the required depth, and compact down to achieve a smooth finish.

To improve slip resistance on the surface, glass grit can be applied to the wet resin surface as required.

Allow to cure for 4 - 6 hours at 20°C.

All aggregates used must be washed, clean and kiln dried and have a typical grading of 6–10mm.

DO NOT USE DAMP AGGREGATES

DO NOT APPLY IN WET CONDITIONS

COVERAGE

At 50mm: 4kg resin with 100kg aggregate = 1m²

At 75mm: 4kg resin with 100kg aggregate = 0.66m²

TECHNICAL DATA

Product:	Clear Polyurethane
Density:	1.05kg/ltr @ 25°C
Colour:	Clear Application temp: +5°C to 25°C
Curing time:	4-5 hours @ 20°C
Package:	1kg, 2kg and 4kg units
Storage:	Protect from frost and direct sunlight
Shelf life:	9 months

CLEANING OF MIXER TOOLS AND HANDS

Tools should be cleaned immediately after use with BoundWorx® solvent cleaner. The mixer should be kept clean throughout use; the delivery chute, door and drum should be cleaned every 5 mixes with a straight edged trowel. After use mixer should be cleaned with solvent cleaner and a brush. Use organic hand cleaner to clean hands.

HEALTH & SAFETY PRECAUTIONS

Before using this product please ensure you have been supplied with and have read carefully the Material Safety Data Sheet.