



THORSET™

Resin Bound Surfacing

Thorset is a high performance, two-component UV stable resin system, suitable for a variety of areas. These include Public Urban Areas, Walkways, Driveways, and Tree Pit Surfacing.

INTRODUCTION

Safety has never been more important and the public's awareness never so high. There is a clear need to both incorporate non-slip surfaces into capital works and to carry-out improvements to existing surfaces. Skid resistance is inevitably degraded by use particularly as a result of heavy vehicle movements and high shear forces on ramps, bends and approaches to junctions, etc.

This polyurethane resin system has been formulated as a binder for the natural dried aggregate, giving resilience and toughness with a degree of flexibility. The cured material exhibits good strength and is UV stable. Thorset is permeable and porous, with the amount of water being able to drain determined by the aggregate and the amount of resin used. Also odour and solvent free.

BENEFITS

Amongst the benefits:

- Non-slip smooth surface
- No loose stone as the finish is smooth
- Permeable/Porous surface that is SuDs compliant
- Durable surface
- Low hazard materials
- UV Stable resin ensuring surface will not yellow in exposure to light
- Resistant to oils and solvents
- Minimal maintenance
- Suitable for a range of substrates (bitumen, concrete)
- Low initial and whole life cost

TYPICAL PROPERTIES OF BASE

Pot Life 20°C:	20 minutes
Cure @ 20°C:	3.0 – 4.0 hours

COVERAGE/APPLICATION /CURE TIME

Coverage rate varies with depth, stone type and stone size. The following guidelines apply to most aggregate types.

Coverage for one 7.5kg unit of resin combined with 4 x 25kg bags of aggregate

depth (mm)	Area (m ²)
12	5.04
16	3.80
18	3.36
30	2.02
40	1.52
50	1.20

The above applies to aggregate mixes for decorative urban areas with pedestrian and light vehicle loading. The thickness of Thorset, and resin content is determined by maximum aggregate size and type of traffic loading. It is important to have a substrate suitable for the intended traffic loads to enable Thorset to be laid to its optimum specification and functional longevity.

Application:

Resin Binder

2 Pack System

Thorset is supplied in pre weighed packages. Pour contents of Pack A and Pack B into a mixing container, and stir well for about 2mins.

Binder & Aggregate

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

Application

Apply immediately to prepared area. Either tamp down or finish with a trowel. Depending on the aggregate chosen a light scattering of dry sand may be required to improve slip resistance particularly with the rounded stone.

PACKAGING / STORAGE

Thorset is a two part system supplied in 7.5kg units. Material should be stored in cool dry conditions, between 3 and 25 deg c.

HEALTH & SAFETY

Refer to Health and Safety Data Sheets for each component of this product.

It is the customer's responsibility to ensure that this product is suitable for purpose. Results are not guaranteed as application conditions are beyond our control. Every care has however been taken in the compilation of this information.