StoneSet Technical Facts

We understand resin and we have researched the very best supplies of stone from around Australia. To be sure to get StoneSet with a 10 year guarantee make sure you have specified:

• Resin bound surface course consisting of aggregate particles, fully coated with chemically curing, UV stable, flexible, crystal clear resin. The resin must be a polyurethane blend to ensure strength and flexibility, unique to StoneSet.

• The resin and stone should be blended as per the StoneSet guide to ensure full coating of the stone whilst maintaining porosity.

• The finish should be screeded to levels and trowel finished by StoneSet or an approved installer.

> The very best resin and stone, manufactured, mixed and laid the right way

UV STABILITY

StoneSet resin is UV stable making it the most suitable for long life and sustained colour.

Flexible & strong our unique blend allows for flexibility which is crucial when laying StoneSet around tree roots and when overlaying concrete.

The StoneSet resin is strong enough to hold the stone particles in place while maintaining optimum void content to allow for permeability. The resin does not soften in hot weather nor does it crack or lift in freezing temperatures.

RESIN: STONE

We always ensure the optimum resin content for the aggregate blend and expected traffic, specific to each project. Binder content is key, too much resin makes the permeability suffer and handling is difficult. Too little resin results in diminished strength, flexibility and durability. Particles of aggregate can work loose if insufficient resin is applied. We have this covered by sending pre-weighed and batched materials to site so the ratio is always perfect.

ANTI-SLIP FINISH

StoneSet can be designed to meet all slip resistance standards. We can guide you to a StoneSet mix which will suit each application. For example, for a steep slope we would recommend using a crushed rock, which has a great long-lasting slip resistance. We incorporate sand into the mix, which not only improves strength, appearance and ease of laying, but it provides an instant slip resistance and takes that immediate shine off the surface. We cast glass dust or sand over the curing surface to provide an instant anti-slip finish.

THE COLOUR AND TEXTURE YOU DESIRE

StoneSet's wide range of colours and textures enable you to have freedom to design and create in your paving. To ensure your chosen colour is used, identify the name and product code on the back of the product sample and specify:

(Example) Product Code 10010/02 Description: 3 mm Beach Layer Thickness: 12 mm

Use StoneSet construction advice to ascertain the correct layer depth and the best size stone for your application. Construction advice sheets are available for download at **www.stoneset.com.au**
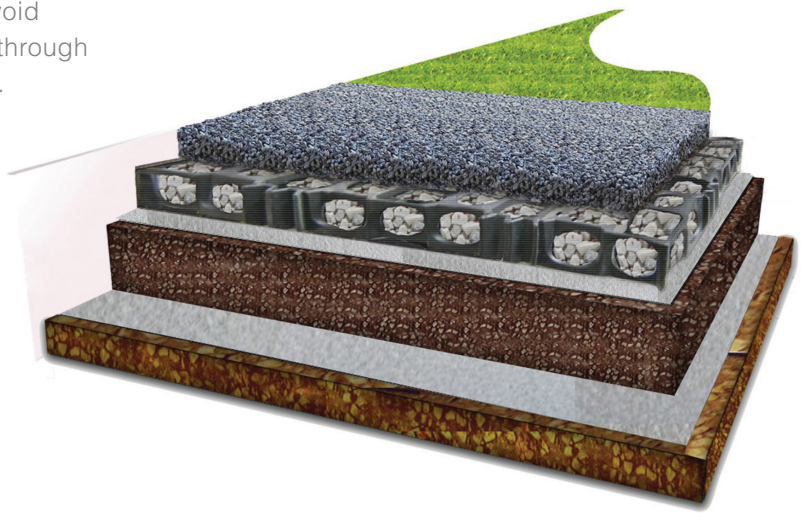
Porous Paving Construction Guide

To create a fully porous hard surface that improves hard to soft landscape ratio and the surrounding environment, the construction of the substrate needs to be porous and load bearing..
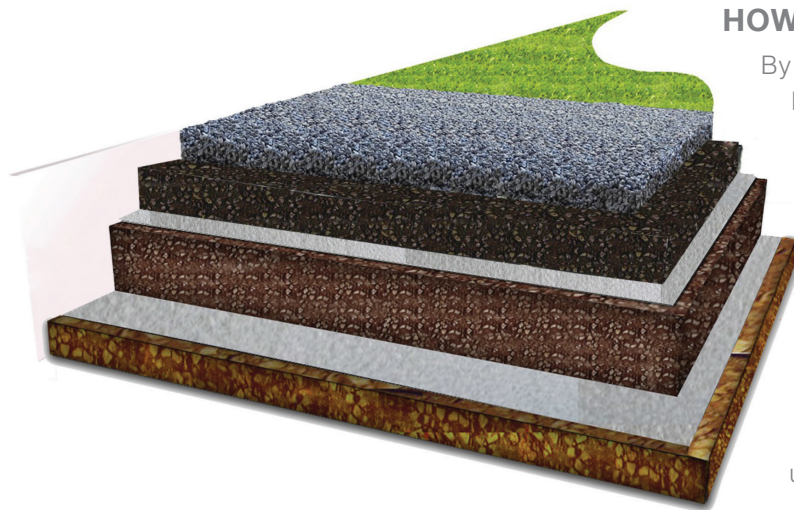
HOW DO WE DO THIS?

By using a resin and aggregate blend that provides a surface with a high enough void content to allow rain water to permeate through at very high rates of 60 litres/m^2/second.

Building from the bottom we compact 3 layers of low fines road base. We then top this with a layer of 52 mm recycled plastic Gravel/Drainage Cell, which is back filled with 6-10mm recycled aggregate. Finally, StoneSet is applied over the top at 25 mm depth.

Overlay Paving Construction Guide

Re-use existing hard surfaces by applying a thin StoneSet layer over the top of concrete or asphalt.

HOW DO WE DO THIS?

By blending a flexible resin with beautiful high quality aggregates, providing a new seamless surface course.

Even with cracked or undulating concrete, asphalt or tiles, StoneSet can simply and effectively provide a new surface course, with minimal preparation. We reflect any expansion joints through to the top layer and repair any excessive damage first, installed as thin as 12 mm so existing edges can be used to tie in a neat finish.