

Thank you for choosing the StoneSet Pour On Gravel Binder system. This is a resin binding system suitable for the construction of decorative and low maintenance pathways. Full porosity will be achieved when optimum resin quantity is applied.

This product is a DIY system and no responsibility will be accepted for unsuccessful application. Please ensure all the steps are closely followed to minimise the risk of failure.

## Step 1 - Checklist

Before embarking on the job, please ensure you are entirely familiar with safety procedures and each step of the work. You must ensure that:

- you have read a guidelines and safety data sheets in full and that you have understood each step. Please contact us if you require hard or electronic copies and we will be happy to send them to you.
- protective clothing is available. Resin can get messy; so a pair of overalls, gumboots, some safety glasses, chemical resistant gloves and a mask must be worn.
- dry weather is forecast. Although the resin can tolerate a small amount of moisture in the air or light rain showers, it is best to avoid damp conditions. Best practice is to only install when there is no rain forecast for the next 24 hours. Of course weather conditions can be unpredictable, so have a sheet to hand to protect the surface, should it start raining unexpectedly.
- the area is absolutely dry. Depending on the amount of sunlight exposure and general drainage of a site, this can take anything between 1-3 dry days
- if existing gravel is being used, ensure all areas have the required depth. These depths vary depending on the size of stone:
  - 6mm single sized stone - 30mm depth
  - 10mm single sized stone- 40mm depth
  - 20mm single sized stone - 60mm depth
- the temperature is suitable. The resin must be between 15-30°C as increased viscosity of the resin can make it too thick to dispense.

## Step 2 - Preparation

Before the pour, prepare the area carefully.

1. When using existing gravel, ensure all foreign particles such as twigs, leaves and litter, are removed. Gravels shall be clean, dry and free of dust that may cloud the resins.
2. Rake gravel to a level finish ensuring that all areas are consistent to the required depth.
3. Mask up all surrounding areas with non-porous plastic. This should also be extended to walls immediately next to the installation area as sudden draughts of wind can carry the resin unexpectedly. All routes between the installation area and resin containers should be protected too.
4. Finally mark out the spread rate so you know how far each pour needs to reach. This is vital to ensure adequate and not excessive application.
5. Always carry out a test area and allow to fully cure.

## Amber or Clear?

Amber resin is recommended for darker tones of Brown, Gold, Grey and Black.  
Clear resin is suitable for all lighter tones and highly decorative areas.

Note, that both resins go through a 'weathering stage', during which the colour may change. If the correct resin has been used, this should have minimal effect on the over all appearance and long term appearance should be that of the original loose stone.



## Tools Required

Masking Tape  
Rake  
Protective Clothing  
Trowel  
Tape measure  
Applicator  
White Spirit - it is important to only use white spirit for cleaning tools as other solvents can react with the resin.

## Step 3 - Application methods

There are a few options how to apply the resin – we prefer you to use this method: Use a bucket with holes drilled in the bottom. Another simple method which allows the container to be started without having to finish immediately. Simply add the resin to the bucket as you go.

Other options are:

- If you have purchase Pour On in a 5kg container, drill holes directly into the bottom of the inverted container. Depending on the viscosity of the resin (this varies with temperature) they should be between 1-3mm. This can then be used to distribute the resin evenly until the container is empty.
- Use a watering can. Ensure the holes are drilled out as recommended between 1-3mm.

Resin should not be sprayed as airborne particles may be inhaled

## Step 4 - The Pour

You are now ready to pour the resin. Do this confidently but carefully and precisely. The ideal application rate depends on the expected use of the finished surface. We recommend the following as a guide:

1. The ideal application rate depends on the expected use of the finished surface. We recommend the following as a guide:
  - Footpaths - 2.0kg/ m<sup>2</sup>
  - Car trafficked areas – 3.0-4.0kg/ m<sup>2</sup>
2. Apply the resin in 2 or 3 light applications rather than 1 heavy application. This will ensure the most even spread and minimise the chance of over binding which can result in foaming of the resin. Allow the resin to fully cure between applications.
3. After the initial pour, the surface can be smoothed off with a trowel to achieve a flatter finish if desired. Repair any tacky spots now.
4. Some stone can be slippery after resin is applied. To avoid this, a fine, dry sand can be cast over the resin before it dries to create a more slip resistant finish.



## Step 5 - On Completion

1. Protect the area from any rain in the first 24 hours.
2. Clean all tools with white spirit. Watering cans may be rinsed with white spirit.
1. Protect the surface from passers-by for a minimum of 24 hours for foot and 72 hours for car traffic.