

Pour'On

Gravel Binder

Installation Guide

for DIY applications

Thank you for choosing the StoneSet Pour On Gravel Binder system.

This is a resin binding system for a decorative and low maintenance solution for pathways. Full porosity will be maintained when optimum resin quantity is applied.

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

Before commencing installation ensure the following is checked:

- **The area is dry.** Depending on the amount of sunlight exposure and general drainage of a site this can need anything between 1 - 3 dry days
- **If existing gravel is being used,** ensure all areas have the required depth (see below)
- **Check the temperature.** Ideally the resin should be between 20-30°C as increased viscosity of the resin can make it too thick to dispense.
- **All guidelines and safety data sheets have been read** in full and understood. 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 and full PPE is recommended, i.e. safety glasses and chemical resistant gloves.
- **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.

Step 1 - Preparation

When using existing gravel, ensure all particles not intended for binding, i.e. twigs, leaves and litter, are removed.

Rake gravel to a level finish ensuring that all areas are consistent to 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

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.

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.

Always carry out a test area and allow to fully cure.

Step 2 - The Pour

The ideal application rate depends on the expected use of the finished surface. We would recommend the following as a guide:

Decorative areas - 1.5kg/m²

Low foot traffic - 2.0kg/m²

Heavy foot traffic - 2.5kg/m²

Good practice is to apply the resin in 2 or 3 light applications rather than 1 heavy application. This will ensure the best 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.

After the initial pour, the surface can be smoothed off with a trowel to achieve a flatter finish if desired.

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 3 - On Completion

Clean all tools with white spirit. Watering can may be rinsed with white spirit.

Protect the surface from passers by for a minimum of 24 hours for foot and 72 hours for car traffic.

Check there are no tacky spots before opening up for access.

Protect the area from any rain in the first 24 hours.

Tools

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.*

Applicator

There are a few of options for application method:

1. 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.
2. Use a watering can. Ensure the holes are drilled out as recommended between 1-3mm.
3. 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.

Resin should not be sprayed as airborne particles may be inhaled.