

THANK YOU ! THANK YOU !

For choosing the 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.

But first...

Before commencing installation ensure the following is checked:

1 The area is dry

Depending on the amount of sunlight expose and general drainage of a site this can need anything between 1 - 3 dry days

2 If existing gravel is being used

Ensure all areas have the required depth and the pebbles have been cleaned

3 Check the temperature

Ideally the resin should be between 15-28°C as increased viscosity of the resin can make it too difficult to thick to dispense.

4 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.

5 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.

6 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. Aim to have the resin complete at least 4 hours before sunset.

APPLICATORS

Use a 10-20ltr bucket with 1-3mm holes drilled in the bottom to create a showering effect. Simply add resin to the bucket and allow the resin to 'shower' over the loose stone. Best practice is to have one person hold the bucket and keep it moving over the target area whilst a second person tops the bucket up with resin. A second bucket should be used to contain any drips when finished.

TOOLS

Masking tape and builders plastic
Rake
PPE
Trowel
Tape measure
Applicator bucket
White Spirit - *it is important to use only white spirit for cleaning tools as other solvents can react with the resin.*

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 the areas are consistent to the required depth.

These depths vary depending on the size of stone:

- 6mm single sized stone - 25mm depth
- 10mm single sized stone - 30mm depth
- 20mm single sized stone - 50mm depth

Mask up and protect all surrounding areas with non-porous plastic and tape. This should 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.

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

Footpaths - 2.0kg/m²

Frequently trafficked footpaths - 3.0kg+/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.

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

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.

Protect the surface for a minimum of 24 hours to allow for full curing.

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

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

FAQ

FREQUENTLY ASKED QUESTIONS

Please use this sheet as a guide for successful application of Pour On Gravel Binder. If you have any other questions not answered by this or any of our other information sheets please call or email StoneSet, details below.



1 Can I mix the resin with the stone before laying?

Yes, but... It is not guaranteed as the system has not been designed for this kind of application. If you do mix the stone and resin beforehand it is always recommended to pour a light coat on top of the area once it has cured. Alternatively, StoneSet supplies a full supply and installation system of porous and overlay paving which is covered by a 10 year guarantee and offers maximum longevity.

2 So is Pour On covered by the StoneSet 10 year guarantee?

No. StoneSet offer a full 10 year guarantee for supply and installation projects using our fully bound, overlay and porous paving system completed by an approved StoneSet installer - for more information on this visit stoneset.com.au or call 1300 392 155. Pour On applications do not come under this product warranty.

3 Can Pour On be used with any stone?

Yes, pretty much. The important criteria is that it is graded as a single sized stone between 6 and 20mm. We have used lots of gravel, crushed rock and recycled aggregates. Some recycled brick or very porous stone may require more resin, so monitor the surface once it has cured for any dry patches. It is always recommended to carry out a trial area to ensure your stone is suitable.

4 Is it suitable for use on a driveway?

No, however when used to bind pebbles within a drainage cell system, a high percentage of the stone will maintain a strong bond.

5 How long will it last?

The design life of the resin is in excess of 5 years. The life of the finished surface is dependent on the quality of installation, type of stone, level of use and base stability.

6 Is the resin dangerous?

Once cured the resin is a completely inert material, meaning it is safe and has no negative impact to the surrounding areas. In fact, by creating a porous surface it offers some great benefits in waterway pollution and stormwater management. In liquid form the resin should be handled with care and the safety data sheet should be read prior to use. Always wear gloves when handling and a respirator when pouring large quantities of resin or any quantity in confined spaces.

HINTS FOR BEST PRACTICE APPLICATION

HINTS

1 Choose your resin carefully

There are two grades of resin - amber and clear. It is important to consider the colour of stone being used when choosing the resin grade. The amber grade is amber in colour and will change the appearance of the gravel when poured. This intensifies over the first few days and then lessens over time. With gold, black and brown gravels the effect is less obvious and can add to the final appearance of the surface, although this is all subjective. The clear resin does not yellow and has minimal impact to the colour of the stone. This can be used with any gravel and is especially recommended for lighter tones. The Clear resin also leaves a wet look for longer.

2 Test it first

It is highly recommended to carry out a trial patch an area representative of the whole site. This should be carried out in a small patch and allowed to fully cure to ensure no adverse effects.

3 Avoid heavy handedness

It is always best to apply the resin in many (usually 2/3) coats rather than 1 heavy coat. There are 2 causes for potential foaming of the resin and that is the presence of water and excessive resin. One cause for excessive resin application without realising can be insufficient depth of stone - always check the depth of stone is sufficient for the particle size.

4 Mark your spread rate

The best method of ensuring you are putting the right amount of resin on is to split the area up into sections. Mark out how far a set amount of resin should achieve and pour the resin until the allotted resin is used.

5 Safety first

Read the safety data sheet thoroughly and handle with care. Once cured the resin is an inert material and will not effect the pH levels of the surrounding soil. Always wear gloves and appropriate clothing and never spray the resin as breathing airborne particles can be hazardous to your health. Always wear safety glasses and long pants and shirt to protect your skin. A respirator is recommended in enclosed areas or for large pours.

6 Monitor after pouring

If foaming does occur due to excessive ground moisture or excessive application, it can be broken by running a broom, rake or trowel through the stone if caught during the first couple of hours of the curing process. If left until fully cured, removal is very difficult.