

# CCS Stencilpave System

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## OVERVIEW

CCS Stencilpave is a decorative concrete system that incorporates CCS Colour Hardener with CCS Paper Stencil over new, wet concrete.

## GUIDELINES

1. Place, screed and float concrete (in accordance with good concrete practice).
2. Once the concrete has been prepared, roll out a sufficient length of CCS Stencil to reach from one side of the concrete surface to the other. Cut from the main roll with a pair of scissors and place it on the surface of the slab. Anchor it to the slab by trowelling each end. If necessary lift the stencil and arrange it so that it is lying straight.
3. Use a bull float to float in stencil so that it lies flat on the slab. It is not necessary to force the stencil into the slab, you only need to trowel it so the stencil is lying flat.
4. Roll out another length of stencil and lay it so that the edge of the stencil is on top of the first stencil. Cut the stencil to length and anchor it to the slab as above.
5. Line up each stencil by lying the outside edge on top of the previously laid stencil. Ensure that the grout lines or mortar joints are arranged in the required manner – randomly or offset – depending on what is required.

## APPLICATION OF COLOUR HARDENER

1. Apply the CCS Colour Hardener in an even manner over the slab. A maximum of one bag for every 10m<sup>2</sup> applied in three applications – 60% on the first application, 30% on the second application and the remaining 10% for touching up any grey areas that may remain.
2. When applying colour hardener, avoid throwing it in clumps. The best method is to apply it by moving the hand in a parallel plane to the surface of the slab.
3. Allow the moisture from the slab to be absorbed by the colour hardener.
4. After the first coat of CCS Colour Hardener powder has absorbed the moisture from the slab beneath it, it is trowelled into the slab using a bull float.
5. A second application (approximately 30% of the total amount) should then be applied as above.
6. Once the moisture has been absorbed by this application, trowel it into the slab using a steel trowel.

## ANTIQUÉ EFFECT

There are two methods for creating a contrasting 'antique' colour effect. A second colour can be either applied in a dry or liquid form.

### Dry Method Antique Effect

A contrasting darker colour hardener should be applied in a controlled manner to approximately 10-15% of the area of the slab.

When applying this colour, avoid throwing it in 'clumps' as this may give an unnatural finish to the job.

Attempt to apply the colour hardener so that it has an appearance that builds to an obvious presence but then fades away again over the space of one or two metres. This 'antique' is then melded into the slab using a textured roller. The textured roller creates a non-slip rustic finish to the job.

### **Wet Method Antique Effect**

Liquefy a small amount of colour hardener and then flick it onto the surface by hand or brush.

### **LIFTING THE STENCIL**

When there is no excess surface moisture present, you can remove the stencils.

Removal of the stencils is done with two workers on either end of the stencil. Pull up the end of the stencil and then slowly lift. It is best to start from the stencil that is on top ie. at the end of the job and work backwards.

### **CLEAN UP**

When the slab is sufficiently dry to take a persons weight without damaging it, blow any bits of dried topping that fell from the stencils off the slab.

### **SEALING CCS STENCILPAVE**

Apply CCS Same Day Sealer to freshly laid concrete once concrete has cured enough to be walked on by the contractor (CCS Same Day Sealer should be applied the same day the concrete is placed).

This product is best applied using a low - pressure sprayer

Following the application of CCS Same Day Sealer, the surface should be sealed after a minimum of three days with one undiluted coat of CCS Hardseal, CCS Hardseal Matt or CCS Hardseal Enduro.

**Note:** If CCS Same Day Sealer is not used, the concrete should be allowed to cure for a minimum of seven days before applying two coats of CCS Hardseal, CCS Hardseal Enduro or Matt Sealer.

## **STENCIL PAVE WITH A TEXTURED FINISH**

### **DESCRIPTION**

CCS Stencil Concrete with a textured finish is new concrete that has been topped with CCS Colour Hardener and finished through the use of CCS Release Agent, CCS Paper Stencils and a CCS Textured Roller or Mega Mat.

### **GUIDELINES**

Follow the "guidelines for creating Stencil Concrete" from step one to step 11 and then follow steps below.

### **APPLICATION OF RELEASE AGENT**

When the first load of concrete has dried sufficiently to support the applicators weight, CCS Coloured Release Agent should be cast over the surface so that a thin but complete covering is achieved.

CCS Release Agent acts as a bond breaker between the concrete and the textured roller or mega mat, but it also imparts colour into the concrete to give the dual colouring effect. This method of application can be done by hand or using the head of a brush.

### **IMPRINTING THE TEXTURE**

The CCS Textured Roller or CCS Mega Mat can now be applied. The texture is achieved by rolling the roller or stamping the mega mat over the concrete with downward pressure.

### **LIFTING THE STENCIL**

When there is no excess surface moisture present, you can remove the stencils. Removal of the stencil is done with two workers on either end of the stencil. Pull up the end of the stencil and lift slowly.

It is best to start from the stencil that is on top (ie. at the end of the job and work backwards).

## WASH DOWN

After the concrete has had sufficient time to cure, the CCS Release Agent should be removed using water pressure (A minimum of three days is required for CCS Powder Release) .

## SEALING

After a minimum of three days, thoroughly wash the concrete, using a high-pressure water blaster and clean household water.

## FIRST COAT OF SEALER

All concrete surfaces must be thoroughly dry before applying the sealer.

Using CCS Solvent 100, thin the first coat at a ratio of one part solvent to four parts sealer.

Either one of the CCS Hardseal range of sealers should be applied using a quality Solvent Resistant Broom Head.

Allow a minimum of six hours between coats. For best results allow 24 hours before applying the second coat.

## SECOND COAT OF SEALER

Stir thoroughly and apply as above, however thinning is not required.

## CLEAN UP

Wash all equipment thoroughly in CCS Solvent and allow to dry.

## CURING TIME

Curing time depends on the temperature. The sealer is usually touch dry in 20 minutes at 25°Celsius.

The concrete can usually be walked on after 24 hours. Allow seven days before parking on the coating sealers.

For further information consult the relevant product data sheets and Material Safety Data Sheets, and read the product label carefully before use. **Product data sheets and Material Safety Data Sheets are available by phoning 1800 077 744.**

**Please Note:-** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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