

GUIDELINES FOR CCS FLORENTINA POLYMER SPRAY STONE FLOORING

OVERVIEW

CCS Florentina Polymer Spray Stone Flooring is a unique system for transforming sound concrete floor surfaces into vibrant and attractive areas.

CCS Florentina Polymer Spray Stone is a 100% water based acrylic polymer coating with the appearance and texture of natural granite stone. It is a low VOC decorative coating formulated for both interior and exterior concrete surfaces. The system is applied by trained and experienced applicators and can take on many forms depending on the property owner's budget and the imagination and skill of the applicator.

CCS Florentina Polymer Spray Stone Flooring system can entail a simple, single colour coating or can be far more elaborate through the use of tapes to create blocks or borders and multi-colours.

CCS Florentina Polymer Spray Stone Flooring is relatively quick to install and can be applied to most structurally sound concrete floor surfaces.

PREPARATION

Surface preparation is extremely important when applying CCS Florentina Polymer Spray Stone. An underprepared concrete surface can result in CCS Florentina Polymer Spray Stone not bonding sufficiently to the surface and allowing delamination to occur.

Prerequisites for Success

- 1 The concrete surface being coated must be in a sound and clean condition and be free from all laitance, organic matter, old sealers/coatings and friable materials.
- 2 The concrete slab must be of adequate strength and appropriate design to withstand the service loadings and stresses that it may be subjected to.
- 3 Significant cracks must be routed and repaired in accordance with accepted repair techniques and by using appropriate materials. If live cracks are repaired it is important that a crack is subsequently saw cut nearby or directly below the original crack so that the concrete can move.
- 4 Curing aids, paints and chemical hardeners must be removed by mechanical surface grinding prior to application of coating.
- 5 The concrete surface should be thoroughly cleaned with a high pressure water cleaner.

- 6 The concrete surface should be treated in a manner that opens up the pores to provide maximum bonding of the CCS Florentina Polymer Spray Stone system. We strongly recommend mechanical surface grinding as the ultimate and preferred method of preparation. If this is not possible then the surface should be acid etched following the instructions provided on the CCS Technical Data Sheet – How to Acid Etch Concrete Floors. If the floor has been acid etched properly the concrete should have the texture and feel of a medium grit sandpaper. If not this must be achieved prior to application of CCS Florentina Polymer Spray Stone.

APPLICATION GUIDELINES

CCS Florentina Polymer Spray Stone can be applied in a variety of ways to achieve different colours and patterns across the job. Tapes can be used to create certain patterns or to imitate blocks. Ensure the concrete is correctly cleaned and that all repairs have been completed.

Note: If the surface is not prepared properly delamination of the coating will occur.

APPLICATION OF CCS ULTRA EPOXY WB PRIMER / SEALER

- 1 Mask all areas before application to prevent spillage and over spray onto surrounding areas.
- 2 Allow the concrete to completely dry prior to the application of primer/sealer coats.
- 3 Tint CCS Ultra Epoxy Primer WB Primer/Sealer using CCS Universal Tint in a colour that will integrate with the CCS Florentina Polymer Spray Stone colour chosen to provide an even colour base. See below for tint recommendations and mixing directions.
- 4 Prime and seal surface of concrete by rolling on two coats of tinted CCS Ultra Epoxy WB Primer/Sealer per label directions. It is important that the CCS Ultra Epoxy Primer WB Primer/Sealer is agitated as used to ensure tint has not settled. Give the CCS Ultra Epoxy Primer WB Primer/ Sealer enough time to dry to at least a tacky feel.

TINTING OF THE CCS ULTRA EPOXY WB PRIMER/SEALER

- 1 Choose an appropriate CCS Universal Tint colour from the below recommended Spray Stone/Tint options.
Kalahari Brown – Black tint
Sechura Tan – White Tint
Cosmos Grey – Light Grey
Mineral White – White Tint
Champagne Buff – White Tint
Diamond Black – Black tint

- 2 Open CCS Universal Tint container and stir thoroughly to ensure colour is uniform throughout and pourable.
- 3 Measure a suitable quantity of tint to add to the CCS Ultra Epoxy WB Primer/Sealer. The ratio of tint to CCS Ultra Epoxy WB Primer/Sealer is 1 litre per made up 10 litre kit (Part A & Part B).
- 4 Add CCS Universal Tint slowly to the Part A of the CCS Ultra Epoxy WB Primer/Sealer and mix thoroughly until a uniform colour consistency is achieved. Once this occurs add Part B of the CCS Ultra Epoxy WB Primer/Sealer and mix again until a uniform colour consistency is achieved.
- 5 If machine mixing the CCS Universal Tint and CCS Ultra Epoxy WB Primer/Sealer take care not to aerate. If aeration occurs allow tinted product to stand and de-aerate for 5-10 minutes.

APPLICATION OF CCS FLORENTINA POLYMER SPRAY STONE

Do not mix or stir by mechanical or other means or dilute product.

- 1 Pour the 900gm pail of CCS Spray Stone Additive into the 18kg container of CCS Florentina Polymer Spray Stone.
- 2 Blend the CCS Florentina Polymer Spray Stone by slowly pouring all of the contents of the pail into a clean and empty pail of equivalent size or larger.
- 3 Repeat this process of pouring from pail to pail between 8 and 12 times or until a creamy uniform colour consistency is achieved.
- 4 Carefully pour or ladle the blended substance into a pressurized pot, tighten the lid and check that all connections are secured per equipment manufacturers' guide.
- 5 Remove spray tip from nozzle. Adjust air pressure to between 18 and 30 PSI. Adjust spray gun settings until an even light coat of Spray Stone is produced.
- 6 Whilst holding the spray gun 60 to 80cm away from the surface spray in even strokes ensuring that the spray gun is at right angles to the surface at all times. Use balanced, horizontal strokes to apply a light coat achieving 80% coverage on the first pass.
- 7 Allow first coat to dry completely, usually between 1 and to 4 hours depending on environmental conditions. This is very important.
- 8 Apply a second coat using the same technique as the first coat to give 100% coverage. Allow this coat to dry completely before applying CCS Decrathane Satin or Gloss sealer.

IMPORTANT NOTE: It is imperative that the coats applied are not too heavy as this will delay drying time significantly and impact on the adhesion of the coating. Do not over apply product as this will impede drying time and leave an unsightly larva appearance. After applying two coats the substrate surface should hardly be visible and the coating consistent and uniform.

SEALING

Once CCS Florentina Polymer Spray Stone is completely dry the surface needs to be given protection by being sealed.

Use two coats of CCS Decrathane Satin or Gloss Sealer per label instructions to ensure a durable surface.

APPLICATION RATES

As a guideline, when applied in accordance with the most recent application instructions the average coverage is 2-2.5m² per kg.

EQUIPMENT

Air Compressor - 9CFM plus, producing a minimum of 240 litres per minute air output.

Spray Equipment - See separate spaying equipment recommendation.

WEATHER TIP

Apply when temperature is above 7°C and humidity is below 85%.

CLEAN UP

Wash all equipment thoroughly in water and detergent after use including spraying fresh water through spray gun and hoses.

STORAGE

CCS Florentina Polymer Spray Stone should be kept in a dry cool location. The shelf life of the product in an unopened original container is 24 months.

SAFETY

We recommend that all personnel wear the relevant protective equipment (Please refer to the MSDS for more information).

For further information consult the Material Safety Data Sheet and read the product label carefully before use. Material Safety Data Sheets are available by phoning 1800 077 744.

User Responsibility-Product Selection and Compatibility

CCS warrant that their manufactured product is free from defects as well as being suitable for the purpose for which it is intended as long as it has been used and applied in accordance with the most current Technical Data Sheet from CCS.

In practice, differences in materials, substrates and actual site conditions require an assessment of product suitability for the intended purpose.

The user is responsible for checking the suitability of products for their intended purpose.

Further, combinations of products that form a total system are often required to service particular applications. Due to the multitude of products available to service an application, only products from the CCS system of products must be used in combination with this product to ensure it will be suitable for the purpose for which it is intended.

The product must also not be mixed or used in combination with any other product which is not a product supplied by CCS

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, inadequate 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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