

### Description

Cemcrete's RenoCrete is a pre-coloured spray-on cementitious based polymer modified 2-part concrete resurfacing system. RenoCrete beautifies existing concrete surfaces while achieving good compressive, tensile and flexural strength with good abrasion resistance; while creating a textured slip-resistant decorative surface.

### Purpose

To be used internally and externally on floors and walls in domestic and light commercial environments. Transforms plain old and new 28 day cured concrete surfaces. Saves the cost of removal and reinstatement of plain concrete pavements. RenoCrete thickness is approximately 2-3 mm creating minimal impact on pavement design loading and existing pavement levels. Easily applied to large or small areas. Plain concrete can be placed early on in construction of commercial projects for safe and effective access. Then RenoCrete can be applied nearing completion.

### Technical Data

Type	Modified cement based coating
Colour	See colour chart below
Pot life	30 minutes
Working time after mixing	20 - 30 minutes
Initial set	2 to 3 hours depending on the weather
Light floor traffic after final application	The following day – weather dependant
Mixing water temperature	Best between 10°C and 25°C
Application temperature (ambient)	6 to 25°C
Slab temperature	6 to 25°C
Application thickness	2 to 3mm
Density	1 850g/litre
Protection during application	Protection barriers required against wind and sun (no contact with product)

### Applications

Suitable for redressing concrete paving, driveways, walkways, outside patios, pool surrounds and balconies.

### Types

Supplied in dry powder only.

### Finishes

1. Sprayed finish
2. Smooth trowelled finish
3. Knock down finish

### Specifying

RenoCrete is suitable as a decorative wear surface placed on existing plain concrete pavements used for pathways, roadways, driveways, internal & external flooring as well as pool surrounds provided that the structural integrity of the underlying concrete is sound.

### SITE WORK

#### Storage

Store in the original sealed packaging in dry conditions. Shelf life of 6 - 12 months may be expected depending on humidity.

#### Surface Requirements

##### Surface Preparation

All surfaces must be clean, sound and free of dust, moisture, oils and grease or other surface contaminants such as paints, curing membranes, release agents etc. Concrete surfaces must be acid washed, water blasted, grit blasted or mechanically scabbled depending on surface conditions.

The strength of the concrete or mortar substrate should be a minimum of 20MPa. The prepared substrate should be thoroughly dry before applying the RenoCrete system.

**Warning:** Do not apply over soft, chalky or dusty substrate.

#### Crack Repair

Many concrete surfaces will have some type of crack that must be repaired in order to successfully apply RenoCrete. Active cracks are more difficult to repair and may require cutting new expansion joints in the concrete.

#### Priming

Apply one coat of Cemcrete's Concrete Floor Primer to the concrete surface using either a sponge, broom or Verimark squeegee mop (physically rub the Concrete Floor Primer into the surface). See relevant datasheet for correct application techniques. Let the primer thoroughly dry before the application of RenoCrete.

Note: The information presented is intended guide only and is correct to the best of our knowledge at the time of publication. It should not be considered as a definitive approval for suitability for a particular purpose. Please contact the manufacturer, distributor or approved applicator for confirmation of suitability. Ancillary detailing recommendations are provided in good faith to assist in achieving final waterproof result. We accept no liability for those recommendations or those products performance in use.

### Mixing

Firstly, dilute CreteBond 1 volume to 3 volumes water. Use this premix to mix with the RenoCrete powder. RenoCrete must be mixed mechanically using an electric mortar mixer.

#### 1. Sprayed finish

- Mix 3 parts RenoCrete to 1 part of the CreteBond solution.
- Apply two to three spray coats – depending on desired thickness.
- Various nozzles sizes will give various textures. 5mm = finer texture; 8mm = courser texture.

#### 2. Smooth Trowelled finish

- First coat - Mix 3 parts RenoCrete to 1 part of the CreteBond solution – spray apply with 5mm nozzle.
- Second coat - Mix 4 parts RenoCrete to 1 part of the CreteBond solution – spray apply with 8mm nozzle and then immediately
- Smooth with a 300mm rounded steel pool trowel.

#### 3. Knock Down finish

To achieve the “Knock Down” texture effect:

A minimum of three coats will be required. Varying the colours for each coat will create a contrasting effect as well. A team member in spiked shoes will follow the sprayer (during third coat) and “knock down” the sprayed mortar with a 300mm rounded steel pool trowel. Different troweling techniques will result in unique texture effects. Popular techniques include troweling in one direction and half circles.

- First and second coats - Mix 3 parts RenoCrete to 1 part of the CreteBond solution – spray apply with a 5mm nozzle.
- Final coat - Mix 4 parts RenoCrete to 1 part of the CreteBond solution – spatter spray apply with a very low air pressure (5mm/8mm nozzle) and then “knock down” lightly with a 300mm steel trowel.

#### Note

- Adjusting the mix ratios, air pressure and spray nozzle sizes will create varying textures.
- Thicker mixes will result in course textures while thinner mixes will create finer textures.
- Let each coat dry thoroughly before applying the next coat. This is weather dependant.
- Once completely dry, use a mechanical blower or broom to clean off the area free of un-bonded material and dust. Then use a coarse broom to remove any overspray or dust from joints in the pattern. Repeat with mechanical blower.
- One can use different RenoCrete colours to create variegated colours as well.

### Spray Application

A standard hopper gun needs to be modified to spray vertically downwards. A 300mm plumbing wash-trough combination elbow works well.



Before spraying, mask off any areas not to be coated for overspray up to a minimum of 1m in all directions. Pour mixed mortar into a hopper gun connected to a suitable air compressor. [Note: For larger texture, a lower setting of pressure is preferred. For a tighter texture, a higher setting of pressure is preferred. Practice with different pressure settings as well as different nozzle sizes on the hopper gun to achieve different effects.] Spray material in an even circular pattern ensuring complete coverage. Hold hopper gun no higher than 1m above the concrete surface.

### Curing

In hot dry conditions cure completed work by mist spraying with water 3 times the following day.

In light commercial applications it is recommended to densify the RenoCrete after 7 days using Cemcrete's Potassium Densifier prior to sealing.

### Sealing

Apply 2 - 3 coats of Colour Hardener Sealer using a solvent resistant sprayer, roller or brush. Revert to the Colour Hardener Sealer datasheet for further information. Seal only when moisture levels are below 5%.

### Coverage

A 20kg bag will cover approximately 3 to 5m<sup>2</sup> per bag depending on finish, surface profile, thickness and nozzle settings. 1L CreteBond per 20kg bag.

### Packaging

Supplied in 20kg bags.

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### RenoCrete Finishing Options



Sprayed Finish



Knock Down Finish



Smooth Trowelled Finish

### RenoCrete Colour Range



Sea Foam



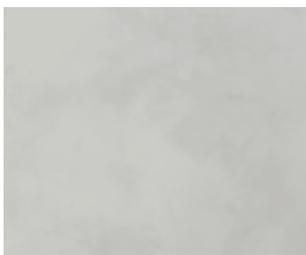
Cuttlefish



Oyster



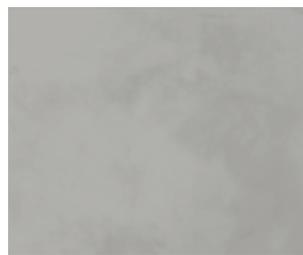
Mollusc



Clam



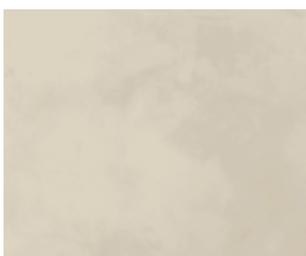
Coastal Fog



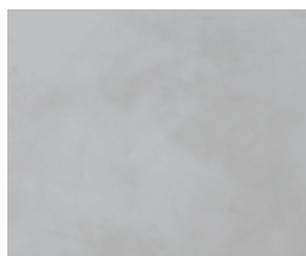
Seal Grey



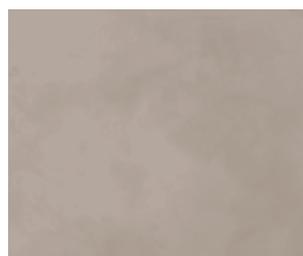
Driftwood



Barnacle



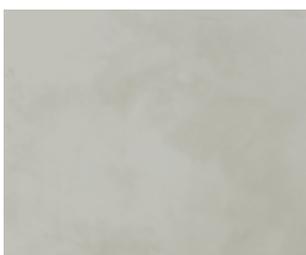
Cloud Grey



Kelp



Coral



Otter



Deep Ocean



Pebble Black

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