

# CREATIVE IMPRESSIONS

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## APPLICATION MANUAL FOR SPRAYCRETE

### INTRODUCTION

SPRAYCRETE is an exciting new way to apply colour, texture and character to existing concrete.

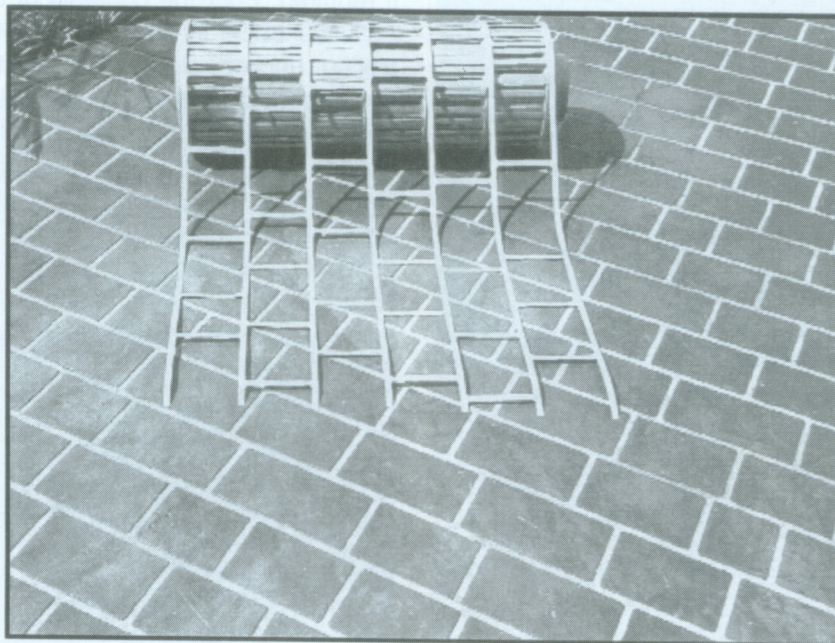
A unique method of refurbishing and beautifying new and old concrete surfaces. It reproduces the popular Brick, Paver, and Cobblestone appearances, so whether installing decorative concrete for domestic or commercial purposes, SPRAYCRETE will transform the dull grey appearance to a colourful textured surface.

As well as offering a wide choice of STENCILCRETE patterns, there are virtually no limits to the combinations of colours that can be used, whether you require the grainy weathered look of old stone or the smooth finish of new brick the choice is available.

SPRAYCRETE'S uses are numerous and the durability of our system allows you to use it on:

- Pathways
- Driveways
- Patios
- Walls
- Everywhere concrete exists!

SPRAYCRETE is a POLYMER based cementitious spray-on re-surfacing system. It is formulated to produce a decorative abrasion resistant textured coating on existing plain concrete pavements, concrete slab floors and walls and is a non-slip surface simulating stone, brick pavers and tile.



SPRAYCRETE IS MANUFACTURED IN ENGLAND BY CREATIVE IMPRESSIONS



## **Step 1:**

### ***Survey the surface.***

Successful installation of the SPRAYCRETE concrete re-surfacing system specified in this manual is dependent on the suitability of the existing concrete pavement/floor for the loads that are applicable and also for the supporting sub-base/ground.

Creative Impressions strongly recommend that all existing underlying concrete pavements/floors are fully assessed to ensure suitability for the loadings that it may be subjected to. The pavement must be constructed in accordance with accepted concrete construction practice, i.e. the inclusion of appropriately positioned crack control joints, the pavement surface is free of major cracking and spalling and the structural integrity of the pavement is not compromised by poor drainage or growth of trees and plants including major tree roots.

No liability can be accepted by Creative Impressions for the application of SPRAYCRETE on unsuitable, existing concrete pavements/slabs/walls. Before applying SPRAYCRETE all cracks must be repaired.

## **Step 2:**

### ***Cleaning the concrete surface.***

The existing concrete surface area must be clean and free of common deposits such as dirt, fungal growth, oil and grease, rubber marks and efflorescence.

Pre-wet the concrete surface, wash with a mild brick acid solution (1 part acid to 20 parts water) followed by thoroughly rinsing off the acid solution.

For the best results use a stiff bristle broom.



**Area must be completely washed using a high-powered pressure cleaner.**

(Equipment must be capable of delivering pressure of 2000-3000 psi to achieve satisfactory results).

**REMOVE EXCESS WATER USING POWER BLOWER OR GAS TORCH IF REQUIRED.**

**SURFACE PREPARATION IS A VERY IMPORTANT PART OF THE APPLICATION PROCEDURE.**

## **STEP 3:**

### ***Protecting existing structures.***

Protective masking will be required for other surfaces exposed to the application of SPRAYCRETE such as house walls, verandah posts and fences. Creative Impressions supply rolls of polythene or paper and masking tapes suitable for this purpose.

Care and attention to detail will avoid the extra work involved in removing overspray deposits from existing structures on completion of the job.

## **STEP 4:**

### ***Mixing Instructions and recommended application of SPRAYCRETE Base Coat.***

It is preferable to "screed on" the Base Coat using a long handled rubber type squeegee rather than spraying. However for walls spray application or a plasterers hawk and trowel is preferable.



The SPRAYCRETE Base Coat will normally be a neutral grey colour. However pigmented activator packs in different colours are available to add colour if required. Pour the contents of the SPRAYCRETE Activator bottle into a clean empty bucket. Into the mixing bucket, slowly and continuously add the contents of the 20kg bag of SPRAYCRETE Neutral Base Coat, and blend together using a paddle mixer fitted to an electric drill for 3-5 minutes and allow to stand. Continue to blend all the ingredients together for a further 3 minutes and ensure they are completely dispersed and blended. Approximate coverage 10-12 m<sup>2</sup> per 20kg bag.





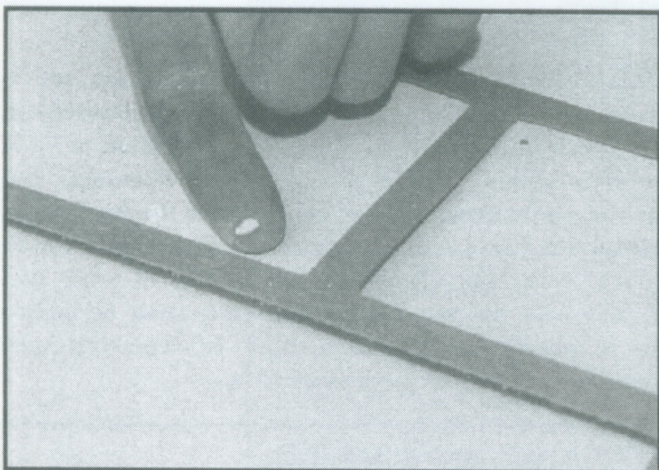
## STEP 5:

### *Placement of stencil pattern on the concrete*

Application of a coated paper stencil is used to create the shape and patterns of traditional paving tiles or stone and clay masonry pavers. A large choice of STENCILCRETE designs are manufactured by Creative Impressions and are made for this purpose. Where specified the Header Course must be placed first, followed by application of the main design of stencil to the remaining surface of the concrete slab.



Stencil can be secured to the Primer Coat using "Bluetack" adhesive putty. This should be rolled into small "pea" size balls and placed between the stencil and the surface. The stencil will then stay flat when the SPRAYCRETE Top Coat is applied. Creative Impressions stencils are available in 100m rolls, and are produced using high quality poly coated card and are available in a large range of patterns replicating styles that compliment both classic and contemporary residential and commercial buildings and hardscaping.



## STEP 6:

### *Mixing Instructions for SPRAYCRETE top coat*

The SPRAYCRETE top coat is applied over the base coat and stencil and can be coloured in any one of over 20 colours in the Permacolour Range, and can be applied and finished in one or more colour combinations to simulate authentic paving tiles, bricks, stone and clay masonry pavers. Repeat mixing instructions described in the previous Section 5, Adding the contents of the liquid pigment pack and mix until the colour is fully blended and dispersed.

## STEP 7.

### *Spray on application of topcoat.*

Spray on application of the SPRAYCRETE topcoat would typically require a two-coat process to achieve the recommended 3mm layer of top coat necessary to achieve excellent compressive and tensile strength and abrasion resistance.



Coverage for each 20kg bag of SPRAYCRETE is normally 10-12 m<sup>2</sup> subject to weather conditions and operator skill. Fill spray gun hopper with SPRAYCRETE mix and select correct position to start application, when applying SPRAYCRETE rotate the spray gun in a circular motion, this technique will achieve a good even texture. The texture and consistency of SPRAYCRETE may also vary according to the distance of the spray head to the concrete pavement surface.





The objective is to obtain a thorough, even coverage of the surface coat over the base coat and the spraying technique employed to achieve this objective, will improve with practice and experience.

## STEP 8:

### *Surface Coat finishes for SPRAYCRETE*

Stencil patterns replicating stone pavers would require only a normal spray gun finish. The normal spray produces a very decorative "textured" non-slip surface. Using a steel trowel or fresno on the surface will produce a "knock down" or semi-smooth finish.



## STEP 9:

### *Removal of the paper stencil*

The SPRAYCRETE finished surface **MUST BE** firm and dry before attempting to remove the paper stencil. Pull up a small section of stencil, preferably at a corner to test if the stencil breaks out cleanly, leaving a straight, unchipped edge to the pavers. When satisfied that the surface has set and the full depth of the pavers are firm, the stencil can be removed completely.



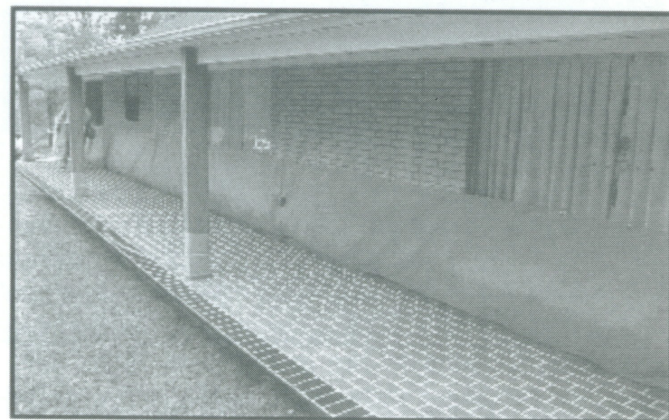
Do not stand or walk on the sections of pavement where the stencil has been removed because the chips of colour will stick to the surface of the pavement and then will be difficult to remove. When the stencil has been removed, use a mechanical blower to remove the remaining chips of colour hardener, and then with a stiff bristle broom, brush clean the entire area. At this time all masking and any "overspray" can be removed.



## STEP 10:

### *Curing/sealing the surface*

Sealing the surface will protect it from normal weathering and stains. Creative Impressions SUPERSEAL and GEMSEAL sealers are recommended for use on SPRAYCRETE surfaces. Roller or spray application is arguably the most practical method.



## RECOMMENDED TOOLS FOR SPRAYCRETE

High pressure washer, power spray gun equipped with hopper and suitable for spraying mortar, electric drill, paddle mixer, rubber type squeegee, brooms and roller for sealer application.

**NOTICE:** This product is not for public use and is intended for use by trained contractors experienced in the use of this type of product. It is warranted to be of uniform quality within manufacturing tolerances but as the manufacturer has no control over the final use of this product, no warranty expressed or implied is or can be made as to the effects or the results of such use. In any case the manufacturers liability shall be limited to refunding the purchase price or replacing such material that may be proven defective.

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