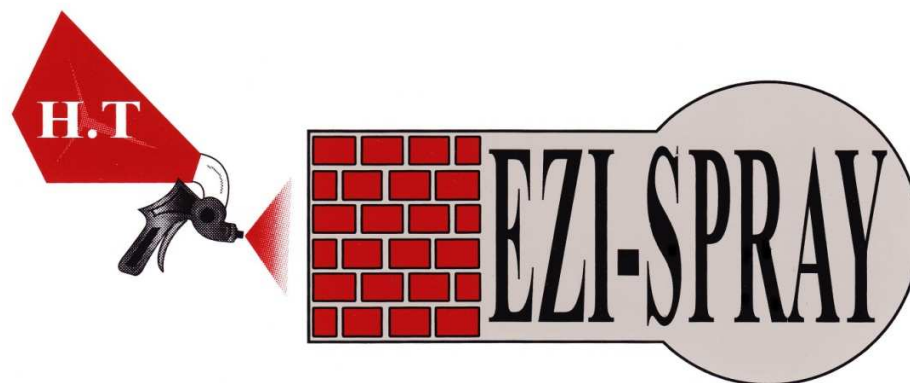




UNIT 12, 442 VICTORIA STREET
WETHERILL PARK NSW 2164
AUSTRALIA
TEL: 61+297565262
FAX: 61+297560233
E-MAIL: info@htech.com.au
WEBSITE: www.htech.com.au

APPLICATION FOR H.T. EZI-SPRAY MANUAL



INTRODUCTION

H.T EZI-SPRAY IS SUITABLE FOR EXCITING NEW WAYS TO COMBINE COLOUR, TEXTURE AND CHARACTER TO EXISTING CONCRETE. A UNIQUE METHOD OF REFURBISHING AND BEAUTIFYING NEW AND OLD CONCRETE SURFACES. IT REPRODUCES THE EVER POPULAR BRICK, PAVER AND COBBLESTONE APPEARANCES, SO WHETHER INSTALLING DECORATIVE CONCRETE FOR DOMESTIC OR COMMERCIAL PURPOSES, **H.T.EZI-SPRAY** WILL TRANSFORM THE DULL GREY CONCRETE APPEARANCE TO A COLOURFUL MODERN FINISH.

AS WELL AS OFFERING A WIDE CHOICE OF PATTERNS, IT VIRTUALLY HAS NO LIMIT TO THE CHOICE OF EXQUISITE COLOURS THAT CAN BE USED, WHETHER YOU REQUIRE THE GRAINY WEATHERED LOOK OF THE OLD OR THE SLEEK SMOOTH FINISH OF THE NEW, THE CHOICE IS YOURS.

H.T.EZI-SPRAY USES ARE NUMEROUS AND THE DURABILITY OF OUR SYSTEM ALLOWS YOU TO USE IT ON:-

- *ROADWAYS
- *DRIVEWAYS
- *PATIOS
- *ENTERTAINMENT AREAS
- ***EVERYWHERE CONCRETE EXISTS**

FOLLOW THE H.T EZI-SPRAY STEPS

1. RECOMMENDED PRACTICE FOR THE APPLICATION OF THE H.T EZI-SPRAY CONCRETE RE- SURFACING SYSTEM.
2. CLEANING THE CONCRETE SURFACE BEFORE APPLICATION OF THE H.T EZI-SPRAY SYSTEM.
3. PRIMER COATING THE CONCRETE SURFACE BEFORE APPLICATION OF BASE COAT.
4. PROTECTING EXISTING STRUCTURES AGAINST OVERSPRAY/SPILLAGE EMISSIONS FROM THE APPLICATION OF EZI-SPRAY.
5. MIXING INSTRUCTIONS AND RECOMMENDED APPLICATION OF EZI-SPRAY BASE COAT.
6. PLACEMENT OF STENCIL PATTERN ON THE CONCRETE.
7. MIXING INSTRUCTIONS FOR H.T EZI-SPRAY SURFACE COAT.
8. SPRAY ON APPLICATION OF SURFACE COAT.
9. SURFACE COAT FINISHES FOR EZI-SPRAY.
10. REMOVAL OF THE H.T PAPER STENCIL.
11. CURING / SEALING THE SURFACE.
12. RECOMMENDED TOOLS FOR EZI-SPRAY.

1 . RECOMMENDED PRACTICE FOR THE APPLICATION OF THE

H.T EZI-SPRAY CONCRETE RE-SURFACING SYSTEM.

Installation of the H.T Ezi-Spray Concrete Re-Surfacing System specified in this manual is independent from the design and suitability of the existing underlying concrete pavement/floor for the service loads that are applicable and for the supporting sub-base/ground. Hi Tech Stencilcrete Pty Ltd strongly recommend that all existing underlying concrete pavements/floors are fully assessed to ensure that the pavement is designed for the service loading that are applicable and for the sub-base/ground. The pavement is constructed in accordance with good concrete construction practice VIZ 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 roots. No liability can be accepted by Hi Tech Stencilcrete Pty Ltd for the application of Ezi-Spray Concrete Re-Surfacing System on existing concrete pavements/slabs.

Before applying Ezi-Spray all cracks MUST be repaired.

2. CLEANING THE CONCRETE SURFACE BEFORE APPLICATION

OF THE H.T EZI-SPRAY SYSTEM.

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

Pre-wet the concrete surface, wash with a mild hydrochloric acid solution 1 part acid to 20 parts water followed by thoroughly rinsing off the acid solution. For best results use a stiff bristle broom. **AREA TO BE COMPLETELY CLEANED OF ANY RUBBISH OR IMPURITIES USING A HIGH POWERED PRESSURE CLEANER**

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

REMOVE EXCESS WATER FROM SITE - Surface preparation is an important procedure

3.PRIMER COATING THE CONCRETE SURFACE BEFORE

APPLICATION OF BASE COAT.

The cleaned / acid etched concrete surface area MUST BE COMPLETELY DRY before Primer Coating. Application of the Primer Coat is an important function of the **H.T EZI-SPRAY**.

Primer Coat can be applied to the concrete surface using a soft – bristle broom or a paint roller, or may be sprayed on the surface. An even coverage of Primer Coat to the total surface area of the concrete must be achieved.

Primer Coat **MUST BE** accurately mixed in the following proportions (rates) @ One litre of **Hi Tech ACTIVATOR** (white liquid) to two litres of clean water.

Blend together using a paddle mixer fitted to an electric drill for approximately 30 seconds. **Hi Tech ACTIVATOR** is contained in 20 litre drums. Agitate (shake) drum vigorously before opening.

Primer Coat must be completely dry before application of **Ezi-Spray** Base Coat.

4. PROTECTING EXISTING STRUCTURES AGAINST OVERSPRAY / SPILLAGE

EMISSIONS FROM THE APPLICATION OF EZI-SPRAY.

Protective masking will be required for surfaces exposed to the application of the

Ezi-Spray System, such as house walls, verandah posts and fences.

Hi Tech Stencilcrete Pty.Ltd supply rolls of paper and proprietary masking tapes suitable for this purpose.

Care and attention to detail will avoid hard removing overspray deposits from existing structures at the completion of the job.

5. MIXING INSTRUCTIONS AND RECOMMENDED APPLICATION OF EZI-SPRAY BASE COAT.

It is preferable to < screed on > the Base Coat using a long handled rubber type squeegee rather than attempting to spray on the Base Coat.

The Ezi-Spray Base Coat would normally be mon colour, meaning a single colour of **Hi Tech NEUTRAL**.

Two litres of **Hi Tech ACTIVATOR** (white liquid), then add 2 litres of clean water.

Blend together using a paddle mixer fitted to an electric drill.

Into the mixing bucket, slowly and continuously add the contents of one 20 kilogram bag of **Ezi-Spray NEUTRAL**. You must mix the ingredients with the paddle mixer while emptying the Ezi-Spray Neutral into the mixing bucket.

Continue to blend all ingredients together for at least 3 minutes to ensure they are all mixed together.

Approximate coverage 12 – 14 square metres per 20kg bag mix.

Note: In some circumstances when temperature is over 30 degrees – Activator must be kept under shade or preferably add ice bottled water to the bucket of Activator to keep cool so it doesn't set as quick.

6. PLACEMENT OF STENCIL PATTERN ON THE CONCRETE.

Application of the coated paper stencil is used to create the shape and laying patterns of traditional paving tiles or stone and clay masonry pavers.

The choice of **Ezi-Spray** pavement designs including the dynamic selection of stencil patterns manufactured by **Hi Tech Stencilcrete Pty.Ltd** made for this purpose.

When specified, Header Course must be placed first, followed by application of the pavement stencil to the remaining surface area of the concrete slab.

Hi Tech Stencil is manufactured in 100 square metre rolls and 50 metre rolls.

Hi Tech Stencilcrete Pty Ltd produce a quality range of paper stencil patterns replicating popular pattern styles that complement both classic and contemporary residential and commercial buildings and streetscapes.

7. MIXING INSTRUCTIONS FOR H.T EZI-SPRAY SURFACE COAT.

The Ezi-Spray Surface Coat (or main coat) is applied to the stencilled surface of the concrete. Ezi-Spray Surface Coat colours are elective from the twenty choices available and can be applied and finished in one or more colour combinations to simulate the authenticity of paving tiles or stone and clay masonry pavers.

Repeat mixing instructions described in the previous Section 5 Mixing Procedures for Ezi-Spray Base Coat, but add only liquid tint colour 300ml to each mix.

8. SPRAY ON APPLICATION OF SURFACE COAT.

Spray on application of the Ezi-Spray Surface Coat would typically require a two coat process to achieve the recommended 3 millimetre layer of Ezi-Spray necessary for excellent compressive and stencil abrasion resistance.

Coverage for each 20kg bag of mixed Ezi-Spray Surface Coat is normally 10-14 square metres, subject to applicator.

Fill Hi Tech Spray Gun with the Ezi-Spray Coat mix.

To apply Ezi-Spray Coat, rotating the spray gun in a circular motion of about 300 millimetres. This technique will achieve a good, even texture but may vary according to experience. The texture and consistency of Ezi-Spray may also vary according to the spraying distance from the concrete pavement surface. The objective is to obtain thorough coverage of the surface coat over the base coat. Different spraying techniques employed to achieve this objective will improve with skill and experience.

Repeat procedure until entire coverage of the base coat is achieved.

Apply two surface coats.

9. FACE COAT FINISHES FOR EZI-SPRAY.

Unlike plain concrete, steel trowels produce a texturing finish to an Ezi-Spray. Stencil patterns replicating would require only a Hi Tech Spray Gun finish.

10. REMOVAL OF THE H.T PAPER STENCIL.

The Ezi-Spray colour hardened surface **MUST BE** firm and dry before attempting to remove the paper stencil. Pull up a small section of stencil, preferably at corner to test if the stencil < breaks out > Clean, leaving a straight, unchipped edge to the pavers.

When satisfied that the colour hardened surface has < set > and the full depth of the pavers are firm, the stencil can be totally removed.

Do not stand or walk on the sections of pavement where the stencil has been removed.

The chips of colour will stick to the surface of the pavement and may be difficult to remove.

When the stencil all has been removed, use a mechanical blower to remove the chip of colour hardener, than with a stiff bristle broom, broom entire area, concentrating on any areas that may have over-spray.

11. CURING / SEALING THE SURFACE.

Sealing the surface will achieve possibility three quality outcomes.

Hi-Tech Stencilcrete Pty Ltd Wet on Wet, Summer & Hi-Gloss Sealer are recommended for use on concrete re-surfaced pavements. The first coat **WET ON WET** sealer should be applied in the same day on completion of the job. The second coat **SUMMER or HIGLOSS** sealer should be applied approximately following day of the first coat. Roller application is arguably the most practical method.

12.RECOMMENDED TOOLS FOR EZI-SPRAY.

High pressure water cleaner, air compressor with regulator and water tap, Hi-Tech spray gun, electric drill, paddle mixer, rubber type squeegee, brooms, roll for sealer application.

Hi Tech Stencilcrete Pty Ltd
Unit 12, 442 Victoria Street, Wetherill Park, NSW
Ph:61 2 9756 5262, Fax:61 2 9756 0233
Email: info@htech.com.au Web: www.htech.com.au