



Innovative & Decorative Concrete Technology

## **Hi-Crete Decorative Systems Pvt. Ltd.**

Aseem Bungalow, Plot No. 36, Sant Eknathnagar, Part- 2,

Survey No. 680/2, Bibwewadi, Pune - 411037

Tel: 020-41259091

GSTIN: 27AADCH1834M1ZF

E-mail: [hicretesystems@gmail.com](mailto:hicretesystems@gmail.com)

Web Site: [www.hicretesystems.com](http://www.hicretesystems.com)

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### **Method Statement Stamped Overlay**

#### **Description:**

Stamped Overlay Is A Cement-Based Polymer Product That Is Overlayed On Existing Concrete. Concrete Overlays Can Give Almost Any Concrete Surface, Indoors Or Outdoors, A Complete Face-Lift And At A Much Lower Cost Than Removal And Replacement. An Overlay Can Cover Over Imperfections And Transform Existing Surface Into A Unique Custom Floor.

#### **Material Required:**

- 1 Hicrete Bond Coat Part A - 8.3 Kg Bag
- 2 Hicrete Bond Coat Part B - 1.7 Ltrs Can
- 3 Hicrete Stamped Overlay Part A - 25 Kg Bag
- 4 Hicrete Stamped Overlay Part B - 1.7 Ltrs Can
- 5 Hicrete Color Pack (Packing Size Based On Color)
- 6 Hicrete Powder Release Agent - 11.35 Kg Bag OR Hicrete Liquid Release Agent - 5 Gal Pail
- 7 Hicrete Super Blue - 5 Ltrs
- 8 Hicrete Color Wash - 4.5 Kg Pack
- 9 Hicrete Gloss Sealer - AC - 25 Ltrs Drum

#### **Tools Required:**

- |                                  |  |
|----------------------------------|--|
| 01 Interlocking Mat Set          | 09 Hand Held Groover                     |
| 02 Magic Trowel- 22"             | 10 Tampico Dash Brush                    |
| 03 24' Gauge Rake With Handle    | 11 Grout Wheel- Correction Roller        |
| 04 36" Steel Fresno Trowel Round | 12 Handled Grout Saw + Replacement Blade |
| 05 16" Mag Float                 | 13 Impact Tool-12" With Handle           |
| 06 16"x 4" Rounded Trowel        | 14 Sealer Sprayer                        |
| 07 S Tool                        | 15 Other Mics. Concrete Finishing Tools  |
| 08 Hand Edger                    |  |

#### **Limitations:**

- Do not mix or cast Stamped Overlay if:
- Rain is expected in the proceeding 24hours period after application.
  - Avoid working in the direct sunlight or windy weather.
  - Temporary protection from weather must be provided all the duration period.

**Sub Base Requirement:*****(Providing Required Sub Base Is In Client's Scope)***

Hicrete Stamped Overlay Can Be Done On Any Strong, Stable, Levelled Surface.

It Could Be:

- Concrete / Trimix Surface
- Tilled Surface

**Sub Base Preparation:*****(In The Scope Of Hicrete Systems)***

The Existing Surface To Be Scrubbed With Mechanical Orbit Sander / Wire Brush, Pneumatic Chisel / Hammer Etc To Remove Loosely Bonded Laitance Dust, Dirt, Loose Particles.

Exhaustive Scarifying (Vacuum Assisted) / Exhaustive Diamond Grinding (Vacuum Assisted) Will Be Done On The Existing Old Flooring To Have Good Mechanical Key Formation To Get The Rough Textured Surface To Have A Best Boding.

The Area Should Be Then Washed With Clean Water & Special Cleaning Agent (Hicrete Super Blue) To Remove All Dust, Dirt & Foerign Materials.

**Application Of Bond Coat*****(In The Scope Of Hicrete Systems)***

Divide The Entire Area In Small Bathes (Approx. 25 Sqft Each), And Mark The Same On Floor Using Marker / Chalk.

Mix The Bond Coat Part A + B And Water A Bucket

Pour The Mixed Bond Coat On Prepared Surface And Using The Magic Trowel Apply Evenly On The Surface.

**Application Of Hicrete Stamped Overlay Mix*****(In The Scope Of Hicrete Systems)***

Mix The Stamped Overlay Part A & B + Hicrete Color Pack With Water In Bucket

Pour The Mortar According To Batches Marked On Floor.

Using Gauge Rake Sprayed The Mortar According To Batches (You Can Adjust The Thickness Of Mortar By Adjusting The Notches Of Gauge Rake)

Once The Mortar Is Sprayed Using Gauge Rake, Finish The Mortar Using Steel Fresno And Round End Trowel.

**Release Agent Application*****(In The Scope Of Hicrete Systems)***

After Completing The Mortar Finishing Treatment & While The Mortar Is Still In The Plastic Condition, Inspect The Mortar Surface By Pressing It With The Thumb With Light Moderate Pressure, If It Produce An Indentation Of 6-15mm , So It Is Time To Broadcast The Release Agent.

- Broadcast The Release Agent At Less Than Knee Height & To A Distance Of No More That 1
- Use A Soft, Long Bristle (6'') Mason's Brush By Dipping The Brush Into The Material & Then
- Broadcast Evenly Across The Surface Following The Previous Limits.
- Application Should Occur Within A Single Shake.
- Apply Until A Uniform Thin Layer Covers The Surface.
- Avoid Over-Application As It Might Cause Disappearing Of Texture Details.
- Excess Powder Could Be Removed By Vacuuming Or Sweeping Gently.

**Stamping / Texturing:** *(In The Scope Of Hicrete Systems)*

Number Of Mats As A General Rule Must Be Enough So That The Area Covered Is Sufficient For 3 Workers Can Stand & Move Easily On The Stamps.

Start Pre-Texturing The Slab Perimeter With A Skin Mat Of A Matching Texture Design.

Once The Edges Have Been Pre-Textured, Texturing Of Inside Area May Begin.

Establish The First Row Of Stamps On A Straight Line Starting From The Corners

(Use String Line To Check Stamped Alignment)

Impress The Stamps Into The Surface By Walking On The Mats Followed By A Light Tamping With The Pounder.

A Third Person May Be Needed To Details The Joints With A Touch Up Wheel.

**Removing The Release Agent & Washing** *(In The Scope Of Hicrete Systems)*

- Start Sweeping As Much Of The Dry Release With A Soft Bristle Broom As Possible.  
\_ Repeating The Cleaning More Than Once Until Little Dust Is Remaining & You Cannot Remove It.

If Pressure Washer Is Not Available, Wet The Surface Down With A Garden Hose Then Spray

- A Cleaning Solution (Mild Detergent Or Citrus Base) Over The Surface & Start To Scrub In A Circular Motion With Medium Stiffness Bristled Broom.

- Pour More Water & Repeat Scrubbing Until All Loose Release Agent Is Removed.

- Leave The Surface To Dry Before Apply The Sealer.

**Note: Rotary Floor Buffer & Detergent Scrub Can Be Used.**

**Color Wash:** *(In The Scope Of Hicrete Systems)*

Once The Area Is Completely Washed And Dried, Mix The Hicrete Color Wash In A Bucket Of Water Based On The Antiquing Required.

Spray Water On Floor Using Small Water Sprayer.

Broadcast The Mixed Color Wash On Floor (You Can Use The Garden Sprayer To Broadcast The Color

Once The Color Wash Mixture Is Settled On Floor, Lightly Spray The Water Again On Color Washed Area To Push The Color Wash In Textures And Grout Lines.

Allow The Color Wash To Dry Completely.

**Sealer Application:** *(In The Scope Of Hicrete Systems)*

To Protect The Stamped Surface & To Enhance The Color, It Is Highly Recommend Sealing The Surface With A Choice Of Special Sealer Immediately After Removing The Release Agent.

- Avoid Application In Direct Sunlight Or During Strong Wind.  
On Hot Days Apply Early In The Day When The Temperature Still Low & The Surface Is In The Shadow & Still Cool.
- Sealer Can Be Applied By Roller, Brush Or Spray Pump.  
Two Application Of Sealer Is Preferred With An Interval Of 24 Hours Between The Two Coats
- For Drying.

**Foot Traffic Is Allowed After 24 Hours Of The Last Application & 72 Hours Minimum For Heavy Traffic.**