



Innovative & Decorative Concrete Technology

Hi-Crete Decorative Systems Pvt. Ltd.

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Method Statement of Self Leveling Epoxy

Epoxy Is Utilized To Apply Over New, Old Concrete Floors Or Tiled Floor To Create A Smooth, Durable, And A Levelled Texture On The Surface Of The Floor. Self-Leveling Epoxy Floors Not Only Provide A Shiny, Seamless Look But It Comes In Many Different Colors That Appeal To Commercial, Industrial, And Residential Spaces.

We Provide Various Epoxy Flooring System For Applications Ranging From Heavy Duty Flooring To Medium/ Light Duty Applications For Various Industries.

The System Includes:

- Self Leveling Epoxy Flooring System
- Heavy Duty Self Leveling
- Antistatic Epoxy Flooring
- Epoxy Topping With Cementitious Underlay
- Granite Finish Epoxy Color Grid

Sub Base Requirement:

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

This Treatment Requires To Be Done Only On Any Strong, Stable, Levelled Surface.

It Could Be:

- Concrete / Trimix Surface
- Tiled Surface
- Moisture Should Be Below 5%
- No Oil Contaminated Floor

Material Required:

(In The Scope Of Hicrete Systems)

- | | |
|---------------------------------|--------------------------|
| 1 EP-Primer - A (Resin) | 7 EP - Color Paste |
| 2 EP-Primer - B (Hardener) | 8 SL 100 (Silica Filler) |
| 3 EP-Underlay - A (Resin) | 9 SL 200 (Silica Filler) |
| 4 EP-Underlay - B (Hardener) | |
| 5 EP- Topcoat SL - A (Resin) | |
| 6 EP- Topcoat SL - B (Hardener) | |

Tools Required:

(In The Scope Of Hicrete Systems)

- | | |
|-------------------|----------------------------------|
| 1 Floor Scarifier | 5 Mixture Machine |
| 2 Diamond Grinder | 6 Notch Trowels |
| 3 Hand Grinder | 7 Spike Roller |
| 4 Vacuum Machine | 8 Spike Shoes & Other Mics. Tool |

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 To Subsequent Epoxy Top Coating. Now This Surface Is Ready To Take Priming. (Before The Application Of The Primer, The Moisture Content In The Concrete Will Be Checked By Elecometer / Moisture Meter. The Acceptable Moisture Content Limit For Installation Of Epoxy Flooring Is 5% For Concrete.)

Primer Application***(In The Scope Of Hicrete Systems)***

Once The Surface Preparation Is Completed, Clean The Area By Mopping & Vacuuming To Remove Any Dirt, Dust & Any Foreign Materials

Mix The Hicrete Primer (EP-Primer A Resin & EP-Primer B Hardener) In 2:1 Ratio With Mixture Machine In A Bucket.

Pour The Mixed Materials On Cleaned Floor & Apply The Primer Evenly By Trowel In 2 Coats.

Apply The 2nd Coat Only After 1st Coat Is Completely Dried.

Allow The 2nd Coat Dry Completely To Proceed Further.

Underlay Application***(In The Scope Of Hicrete Systems)***

Divide The Entire Area In Small Area In Batches According To The Treatment Thickness & Mark The Batches On Floor. Mix & Install The Underlay Materials Made by EP- Underlay – A (Resin) & EP- Underlay – B (Hardener) & Silica Filler (SL 100) In Required Treatment Thickness Using Different Notch Size Trowels & Rolling Back With Spike Rollers To Remove The Air Interrupted In The Screed.

(Resin : Hardener = 1:1) Allow It To Dry.

On The Next Day, Lightly Sand The Entire Area Using Sander Machine, Remove The Dirt, Dust From The Floor & Apply One Scratch Coat Made By EP- Underlay – A (Resin) & EP- Underlay – B (Hardener) By Trowel.

Colored Top Coat***(In The Scope Of Hicrete Systems)***

Same Like Underlay, Mark The Batches On The Floor According To The Thickness Required Of Top Coat.

Mix The Top Coat Materials EP- Topcoat SL - A (Resin) + EP- Topcoat SL - B (Hardener) + EP - Color Paste + SL 200 (Silica Filler) With A Mixture Machine.

(Resin: Hardener = 2:1) & Apply The Same With Notch Trowel & Back Rolling With Spike Roller.

Allow It To Dry Overnight.

Light / Foot Traffic Is Allowed After 24 Hrs And Heavy Traffic / Furniture Fixing Is Allowed Only After 72 Hrs.