



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

Web Site: www.hicretesystems.com

CIN: U24240PN2013PTC147014

Method Statement Cemart With Microtopping & Stains

Cemart Is A Self-Leveling Cement Based Overlay System Which Is Installed / Laid Over Existing Strong, Stable & Leveled Surface.

Micro Topping Is A Cementious Polymer Based Thin Base Smooth Overlay System. It Can Be Used With Integral Colors Or With Different Types Stains To Achieve Desired Look.

Sub Base Requirement:

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

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

It Could Be:

- Concrete / Trimix Surface
- Tiled Surface

Material Required:

(In The Scope Of Hicrete Systems)

- 1 Waterbased Epoxy Primer (Resin + Hardener)
- 2 Epoxy (Resin + Hardener)
- 3 Silica Filler / Silica Sand
- 4 Cemprime (Primer For Cemart Treatment)
- 5 Cemtop 340
- 6 Hicrete Resurfacer / Spray Coat Mix Kit
- 7 Hicrete Trowel Top
- 8 Hicrete Color Pigment
- 9 Hicrete Stains (Optional Based On System Proposed)
- 10 Hicrete Epoxy Top Coat Kit
- 11 Hicrete 2K PU WB Clear (Matt / Gloss) Sealer

Tools Required:

- 1 Magic Trowel- 22"
- 2 Sander Machine
- 3 Knotch Trowel
- 4 Spike Roller
- 5 Any Other Mics. Tools

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

The Existing Surface To Be Scrubbed With Mechanical Orbit Sander To Remove Loosely Bonded Laitance Dust, Dirt, Loose Particles.

In Case Of Tiled Area, Once The Grinding / Sanding Is Completed, Clean The Area By Dry Mopping.

Mix & Apply Waterbased Epoxy Primer In 2 Coats.

Once The Primer Is Dried Completely, Mix And Apply The Scratch Coat Of Epoxy (Resin + Hardener) And Broadcast The Silica Up To Rejection.

On The Next Day, Remove The Excess Silica By Vacuuming The Surface.

Now The Area Is Ready For Further Treatment.

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

Mix The Cemprime With Water In 1:3 Ratio And Apply On The Entire Area Using Soft Brush.

Allow It To Dry Completely

Mix The Cemprime With Water In 1:5 Ratio And Apply On The Entire Area Using Soft Brush.

Allow It To Dry Completely

Note:

Avoid Puddling Of Primer On The Surface.

Once The Primer Is Completely Dried, Mark The Batches Of 25 Sqft On Entire Area.

Mix The Cemtop 340 With 4.5 Kgs Of Water Thoroughly.

Pour And Sprayed The Material Within The Marked Batch Using Knotch Trowel Followed By The Rolling With Spike Roller To Remove The Air Intrupted In The Laid Materials.

Allow It To Dry Overnight.

Once The Cemart Is Fully Dried Wait For 1 Day To Gain Its Strength.

Micro Topping Treatment*(In The Scope Of Hicrete Systems)*

Next Day, Sanding Of Entire Area Is To Be Done Using 100 No. Polishing Pad Attached With Hand Grinder. Remove All The Dirt / Dust From The Floor By Dry Mopping Or Vacuuming.

Mix The Hicrete Resurfacer / Hicrete Spray Coat Mix In Bucket And Apply The Same Using Magic Trowel Evenly On The Surface.

Apply 2 Coats In Similar Manner.

Note:

Apply Coats Only After The Drying Of Previous Coat.

Once All The All The Coats For Hicrete Resurfacer / Hicrete Spray Coat Mix Are Completed, Again Entire Area's Sanding Is To Be Done With 100 No Polishing Paper.

Note:

Resurfacer Sanding Is To Be Done By Foam Sander Machine Or Sanding By Hand Only. No Hand Grinder To Use. Once The Resurfacer Sanding Is Completed, Remove All The Dirt / Dust From The Floor By Dry Mopping Or Vacuuming.

Mix The Hicrete Trowel Top / Hicrete Micro Top In Bucket And Apply The Same Using Magic Trowel.

Apply The 2-3 Coats Of Hicrete Trowel Top / Hicrete Micro Top In Same Manners.

Again Sanding With 100 No. Paper Using Foam Sander Machine Or By Hand Is Expected And Clear The Dirt And Dust One More Time.

Apply The Last Coat Of Hicrete Trowel Top / Hicrete Micro Top In Same Manner.

Staining Treatment

(In The Scope Of Hicrete Systems)

Once The Micro Topping Is Completed, We Can Go With Staining Treatment.

Clean The Area By Dry Mopping.

Mask The Near By Areas With Masking Paper To Avoid Any Stains Drops On Wall, Pillars, Fixed Furniture Etc.

Once The Masking Is Done, Mix / Diluted The Stains With Its Carrier Water Or Acetone As Per Decided Ratio.

E.g. 1:3 Ratio Indicates 1 Part Of Stain To Be Mixed With 3 Parts Of Water / Acetone.

Note:

Acid Stains To Be Mixed / Diluted With Clean Water

Enviro Stains To Be Mixed / Diluted With Clean Water

Dye Stains To Be Mixed / Diluted With Acetone

Apply The Stain On Prepared Surface By Specially Designed Sprayers (Acid Sprayers / Acetone Sprayers).

In Case Of Acid Stains, 1st Apply The Stain By Sprayers And Brush The Surface With Acid Scrub Brush To Increase The Acidic Reaction Of Stains And Again Spray The Acid Stain On Floor.

Allow The Stains To React For 4-5 Hours And Then Neutralize The Floor Using Washing Soda / Ammonia Water. (Only If You Are Using Acid Stains. Washing Is Not Required For Enviro Stains And Dye Stains)

Notes:

For Smaller Areas / Highlighting Areas Stains Can Be Applied Using Painting Brushes.

Epoxy Topping Treatment

(In The Scope Of Hicrete Systems)

Once The Staining Is Completed And Area Is Completely Dried. You Can Start With Epoxy Topping Treatment.

Mix The Water Based Epoxy Primer Resin + Hardener (Mixing Ration 2:1) Thoroughly By Mixture Machine And Apply The Same By Roller & Allow It To Dry Completely.

Mix The Clear Epoxy Topping Materials Thoroughly By Mixture Machine And Apply The Same By Hard PU Roller / Knotch Trowel & Allow It To Dry Completely. (You Can Use Spike Roller To Remove Interrupted Air In Laid Materials.)

Sealer Treatment

(In The Scope Of Hicrete Systems)

Once The Clear Epoxy Is Dried Completely, Normally Overnight, Mix The Hicrete 2K PU WB Sealer Gloss / Matt Thoroughly With Mixture And Apply The Same Using PU Roller In 2 Coats. Apply 2nd Coat Only After 1s Coat Is Completely Dried.

Allow It To Dry.

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