



Innovative & Decorative Concrete Technology

Hi-Crete Decorative Systems Pvt. Ltd.

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Method Statement Colour Flakes & Colour Quartz

Colour Flakes & Colour Quartz Systems Are Decorative Flooring Applications Designed To Provide An Imitation Granite Or Terrazzo Look. They Are Available In Variety Of Colour Combination To Match Any Decor, Adding Beauty And Elegance As Well As Providing Low Maintenance.

It Is Also Known For Its Stain Resistance And Impact Resistance.

The Quartz System Is A Slip-Resistant Flooring Solution That Known For Its Durability And Natural Granite Stone-Like Appearance.

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
- 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) | 10 Colour Flakes / Colour Quartz |
| 5 EP- Topcoat SL - A (Resin) | 11 Hicrete 2KPU WB Sealer |
| 6 EP- Topcoat SL - B (Hardener) | |

Tools Required:

(In The Scope Of Hicrete Systems)

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

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 & Colour Flakes / Colour Quar (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.

When The Coloured Top Coat Is Still In Tackey Condition, Broadcast The Colour Flakes Or Colour Quartz.

You Can Change The Broadcasting Quantity Based On Your Desired Look.

Normally Suggested Broadcasting Is As Follow:

Type	Look	Coverage
Colour Flakes	Heavy Broadcast	Sqft X 0.08 Lbs
	Medium Broadcast	Sqft X 0.04 Lbs
	Light Broadcast	Sqft X 0.02 Lbs
Colour Quartz	-	Sqft X 0.50 Lbs

Epoxy Topping Treatment

(In The Scope Of Hicrete Systems)

Once The Top Coat Is Dried Completely, Remove The Excess Colour Flakes Or Colour Quartz Using Vaccume Machine & Do All Necessary Touch-ups.

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