



LIBERTY INFRA

Freedom of Structures

DECORCEM

Plastering System



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Plastering System



Our Mission

Our Mission is "To achieve leadership position and become major player in decorative & functional coatings, cladding and plaster industry To achieve our mission we have a team of professionals and technocrats to serve in the best way they can. As a result of constant growing we have the strong dealer & distributor network in PAN India and across the world which is increasing continuously on timely basis. we have very diligent and professionally educated marketing team to control marketing and sales event. Luxture products are approved by the leading organisation in India and abroad. They are using our products continuously as the performance of the products match's and exceeds clients satisfaction level.

What is Decorcem?

"Decorcem Plastering & Painting System" is in a league of it's own! In the multi-billion dollar industry of concrete restoration and beautification, you will not find any other product that comes closer to the beauty and functionality of "Decorcem Plastering & Painting System".

"Decorcem Plastering & Painting System" as the name signifies, Decorcem is a ready mix concrete which can be used for plastering, protection & beautification of the vertical surfaces, such as the walls of interiors and exteriors of our home, commercial places, landscapes etc. All this is done by using the plastering, texturing and colouring techniques to create structures, which exactly replicates to natural stones, wood, bricks and blocks. Plasters can also be applied in smooth which are decorative & protective as well.

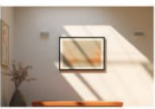
In broad "Decorcem" is a methodology involving special material, workmanship, special tools & techniques to create deep textured very realistic model bricks, stones & wood grain patterns. This special material is applied by the highly skilled workers.

Why Decorcem?

- Long lasting 25-30 years.
- Factory controlled quality product
- Smooth & textured finish, can replicate stones, wood and bricks
- Dampness & Efflorescence Resistant
- Light weight, hot & cold insulating properties
- Cracks & crumble free



At the end, severe damages are caused due to atmospheric & humid conditions



Nice & Beautiful Surfaces Forever



Heat Insulating



Waterproof



Low Density



Curing Free



Decorative



Cracks & Crumble Free

Features & Benefits



No Shrinkage Cracks & Loss of Adhesion

As per IS: 2402-1963, code of practice for external plastering finish, Section 6.6.3 states that plasters strength should be weaker than the subtract strength. This practice is not followed by contractors / clients rather they emphasise on more cement content resulting into more heat generation, more water demand, shorter open time & faster drying time lead to a rapid volume shrinkage & cracks in cement plasters.

Decorcem on the other hand, is low in dry density & the compressive strength is optimum that can adhere to almost any kind of masonar surface & even the AAC blocks without any chance of failure or loss of adhesion from the surface.

Decorcem on the contrary, hold moisture through its own capillary action and the moisture is transmitted to the surface of the medium through the capillary to reduce occurance of shrinkage. This phenomina limits the cracks within the plastic shrinkage phase & can reduce the cracks by almost 85% then the normal cement / sand plasters.

No Water Curing Required (Curing Free)



Decorcem incorporates special additives. Decorcem when mixed with water & applied on walls. These additives act as water reservoir which leads to the crystallization of cement due to continuous hydration. These special additives also attracts the atmospheric humidity & helps continuous hydration of cement. However only one mist spray of special chemical "Decorcem-Curefast" can be done on the curing free fully dried walls as the solution impregnates deep inside the walls. After drying, the ultimate strength of the Plaster can be achieved with in 72 hrs.

Faster Application

Decorcem plasters are highly flowable with minimum or no rebound loss and can be spread with ease. Such properties helps an applicator to achieve 20 to 25% more work output with maximum finishing in comparison with conventional plaster.

Hot & Cold Insulation & Saves Air Conditionary Cost

Decorcem is low in density, which is 25%-30% lighter than conventional cement sand plaster. The low density of Decorcem ensure low thermal & cold conductivity. Hence, it keep the interior cools. Houses plastered with Decorcem System in interior & exterior as well are 4-5°C cooler than the house with conventional plasters.

Product	Density	Thermal Resistivity	Thermal Conductivity
Decorcem	1.45 - 1.50	3.844 m.k/w	0.260 w/m.k
Conventional Plasters	1.90 - 1.95	2.560 m.k/w	0.391 w/m.k



Waterproof & Efflorescence Resistance

Decorcem plaster duly cured with Deorcem-CureWell are water, alkali & efflorescence (salt of calcium, sodium or magnesuim) resistant. The micro porous structure of the light weight plaster "Decorcem" allows the water vapour to breathout along with the migrating soluble salts of calcium / sodium or magnesium from the surface, without effecting or damaging the strength of the plaster.

Such a water or dampness can be generated by underground rising water, plumbing leakages, rainwater from outdoors walls / terrace and many other sources.

Decorcem system works on the fundamental that give enough space or passage to water vapour to breathout along with the migrating soluble salts & not let them get deposited into the plaster. This is possible because of the highly porous structure of the decorcem plaster which helps the water vapour to breathout without damaging the asthetics of the Decorcem Plaster & Painting System.





Cracks & Crumble Resistant

Decorcem plaster are microporous and reinforced with micro fibers. Decorcem stay intact even under the accused dampened condition and even under the condition when the subtract or the masonry surfaces is deteriorated due to dampness and salt attacks.



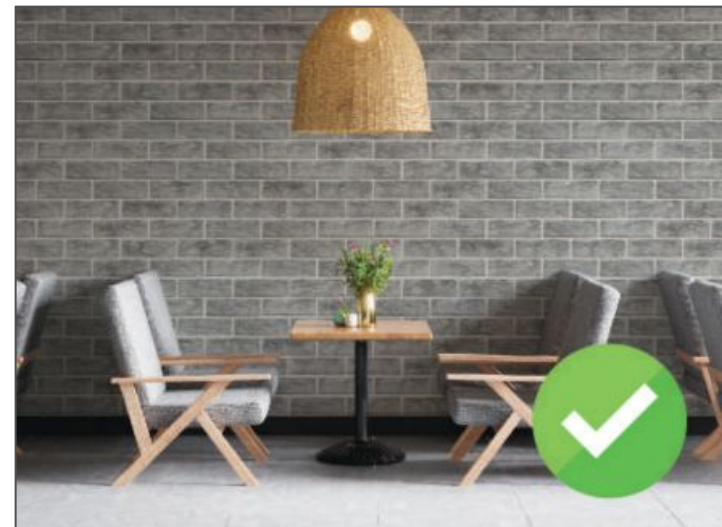
Fiber Cement Board



Plywood Board

Can Adhere to Non - Masonary Surface

Decorcem plaster can be adhere to non masonary surfaces like fiber cement boards, gypsum boards and Stones as well.



Functionality with Beauty

Decorcem is not only a plaster but a crack & crumble free, hot & cold insulating Dampness and Efflorescence resistant plaster. Decorcem is asthetically apecaling as it can be done by special plastering, stamping & colouring technique which makes plasters to replicate like orignial stone, wood, bricks & blocks. The Elegant look of Decorcem plasters complements your decor.

A Comparison of Decorcem System with Traditional Method of Plasters

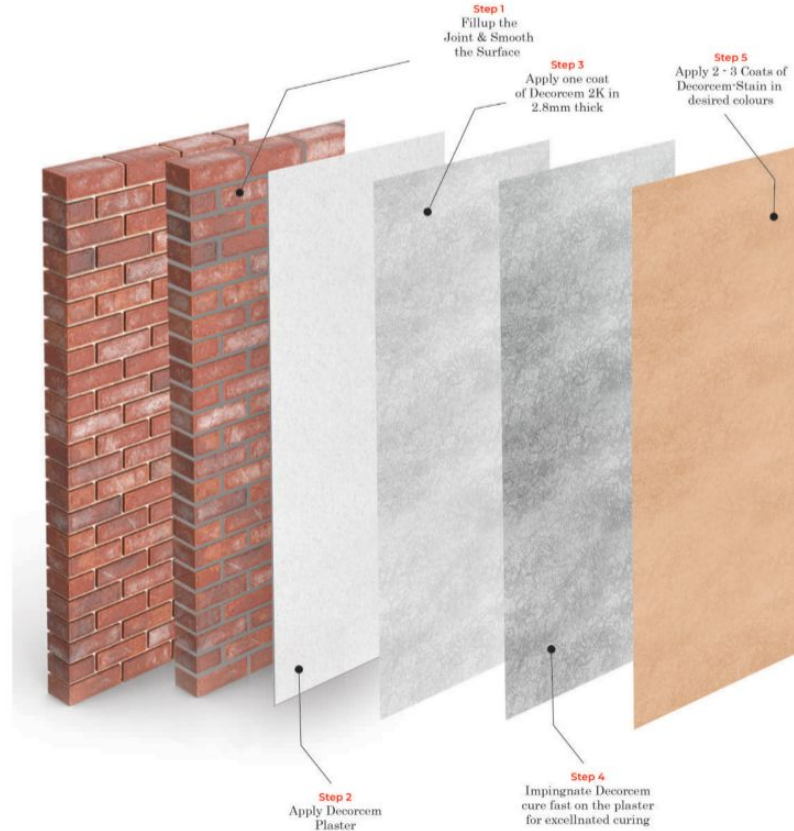
Parameters	Decorcem	Conventional Plaster
Setting Time	Initial - 3.30 Hrs Final - 6.00 Hrs	Initial - 2.00 Hrs Final - 4.30 Hrs
Compressive Strength	5.2 MPA	8.5 MPA
Dry Bulk Density	1.45 - 1.50 Kg/Ltr.	1.90 - 1.95 Kg/Ltr.
Thermal Resistivity	3.844 M.K/W	2.560 M.K/W
Thermal Conductivity	0.260 M.K/W	0.391 M.K/W
Curing	Not Required	Mandatory For 15 to 20 Days
Coverage	27-30 sq.ft. in 40 Kg Bag with Avg. Thickness of 12mm	N/A
Rebound Loss	Max 2-3%	Minimum 10-15%
Water Vapour Permeability	Highly Permeable	Less Permeable
Quality Assurance & Quality Control by Manufacturer	Yes	N/A
On Site Application Training & Technical Assistance	Yes; Provided by Manufacturer	No Support
Product Performance Warranty	5 - 25 Years	No Warranty
Capillary Water Absorption	1.2 gm/CCm	0.7 gm/CCm

Decorcem Product Guide

- **Decorcem :- Plastering Material**
 - Packing: 40 Kg Bag
 - Coverage: In 12mm $\pm$ 1 mm Thickness covers 28 - 30 sq ft in 40 Kg Bag.
 - Colour: Natural Grey
- **Decorcem 2K Coarse :- 2 Component, Single Coat, 2.8 mm thick Coarse Finish material for Exterior & Interior**
 - Packing: 25Kg + 5Kg = 30Kg
 - Colour: Natural Grey
 - Coverage: In 2.8 mm thickness 30Kg Covers 140 – 150 sq.ft. in Single Coat
- **Decorcem – 2K fine :- 2 Component, Single Coat, 1.25 mm thick Fine Material for finishing of walls of Interior & exterior**
 - Packing: 25Kg + 5Kg = 30Kg
 - Colour: Natural Grey
 - Coverage: In 1.25 mm thickness, 30 Kg covers 250 – 260 sq.ft. in single coat.
- **Decorcem Cure Fast :- Impregnating hardener cum curing agent for plastering system.**
 - Packing: 5 Ltr, 20 Ltr, 50 ltr.
 - 5 ltr to Dilute with 15 ltr of water & prepare 20 ltr ready to use solution. Spray the solution with a mist of spray, by means of mechanical sprayer on the fully dried plasters as the solution impregnates deep into the surface of plaster, 2 to 3 times, wet on wet basis. Until the plaster stops absorbing the liquid rapidly.
 - Coverage: 5 Ltr + 15 ltr of water gives 20 ltr prepared solution. This 20 ltr solution can cure 200 – 225 sq.ft. plaster with a thickness of 10 – 15 mm.
- **Decorcem – Stains :- Impregnating color / stain for decorcem plastering & painting system. To be applied on Decorcem / 2K Coarse or Fine.**
 - 1 Kg Clear
 - 1 Kg Clear stain to mix with 2kg of water & apply 1 coat of impregnating primer covers 150 to 160 sq ft in one coat.
 - 1 kg colored stain to mix with 2kg water & apply 2 to 3 coats as desired. Covers 175 to 185 sq ft in single coat.

- Decorcem – Bond :- Bonding Agent for Decorcem Plaster
 - Packing: 5 Kg, 20 Kg
 - 1Kg in 5 kg Decorcem for one coat plaster with scratch coat. This scratched plaster, acts as an anchoring coat on the non masonry surface. Decorcem Plasters can easily adhere on such anchoring coats.

Application Method

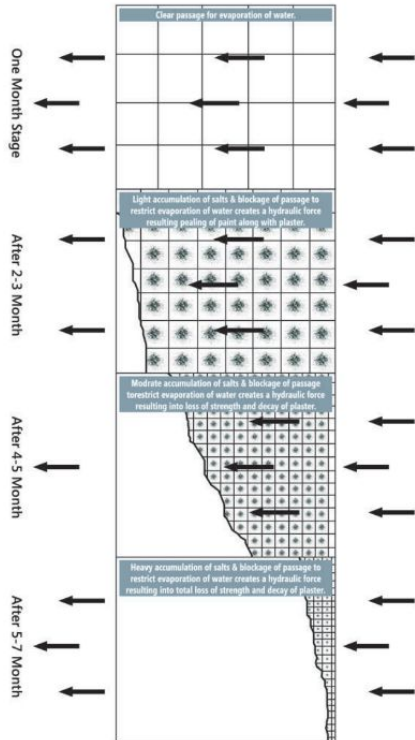


How the Decorcem System Works

The Behaviour of water vapour caused due to underground rising of dampness, plumbing leakages, rain driven water on the plaster can be illustrated as below.

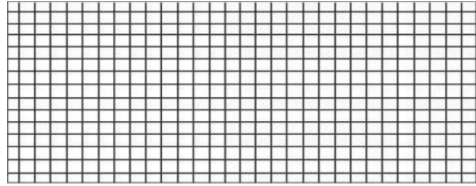
WATER VAPOUR OF SEAPAGE FROM GROUND LEVEL WATER & LEAKING OF PLUMBING JOINTS.

15-20mm normal cement sand plaster under dampened condition.



NORMAL CEMENT SAND PLASTER

In-built matrix of a normal cement sand plaster



- High in Density
- Low vapour Permeable
- High heat & cold conductivity
- Can adhere to concrete only
- Has limited working time

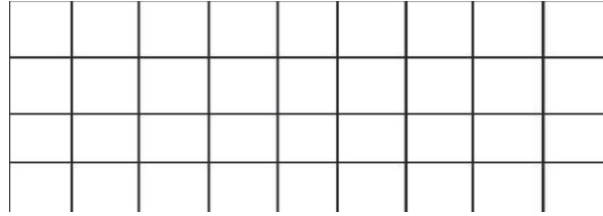
NOTE: - In the above illustration we can see the unde-solved particals of calcium and magnesium salt and flourides driven along with water vapours, blocks the cavities and passages in the plaster which ultimately restricts the evaporation loss of water vapours created due to ground water or plumbing leakages. The unhydrated particals of cement and calcium salts, in continues presence of water and due to the restricted passages creates a hydrlic force which ultimately results in loss of bonding and decay of plaster.

HOW DOES DECORCEM WORK

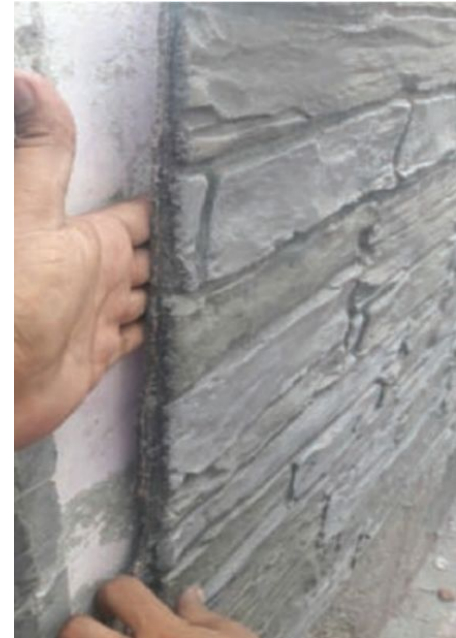
Decorcem incorporates the lightweight aggregates and special additives, once plastered the micro porous structure and the voids created due to the light weight aggregates, allows the water vapours and dissolved clacium salts to evaporate and there by eliminates the possibilities of accumulation of fluorides and slats in side the plaster. Over the Decorcem plasters we use special colors which do not form a film, rather imprignates into the porous surface. Unlike the normal paints we can see the film looses the adhesion from the substarte due to the salt attack, the decorcem colorants does not leave the substrate and allows the salts to come out with out damaging the colors. Decorcem plasters incorporates micro fibers which form a web like structure inside the plaster. Such reinforcement increases the tensile strength of the plaster and eliminates the possibilities of cracks and crumbling off due to seepages and weakening of brick / blocks substracts.

DECORCEM : LIGHT WEIGHTED PLASTER

IN BUILT MATRIX OF DECORCEM



- Low in Density, 25-30% lighter than the normal cement and sand mixture.
- Highly vapour Permeable
- Low density gives hot and cold insulation.
- Strong bond over concrete, bricks, wood & cement particle boards.
- Lots of open time permits to work & create art.
- Once applied it is no more a plaster but turns into a seamless sheet.
- Highly resistance to water and calcium salts created due to underground water seepages and plumbing leakages.
- This is Crack & Crumble Resistant.



Available Patterns



LD 324-01-05-WTC6000-W-8288



LD31 - 01 - C25 - W27



LD05 - 01 - I - C15 - W03



LD04 - 01 - I - C02 - 04 - W03



LD06 - 01 - I - C03 - W15



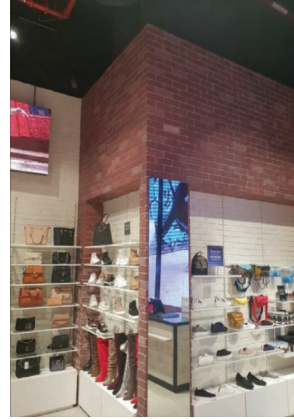
LD18 - 01 - I - C10 - W07



LD0033 - 10 - S - W26



LD17 - 01 - I - C02 - 01 - I



ISCON EMPORIO -
AHMEDABAD



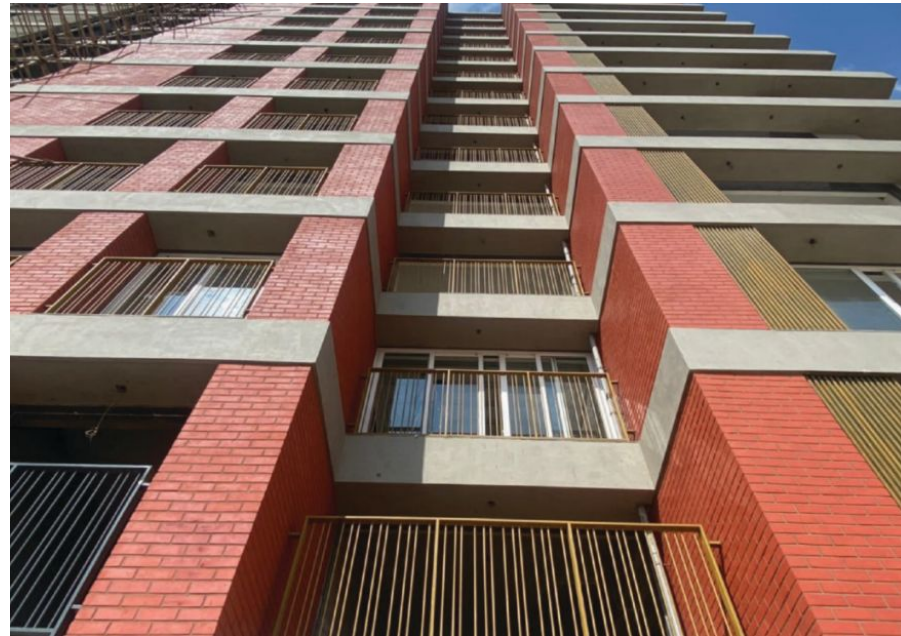
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