

**MADE STRONG  
MADE TO LEAD**

DUDHI PRODUCTS

# The Company

**Dudhi Industries** offer an elegant range of quality products related to Indian construction industries since many years and with complete success in serving Gypsum base products in the market, now launching an innovative product i.e. Fiber Reinforced Polymer – FRP which is a composite material made of a polymer matrix, reinforced with Glass Fiber.

With strong technical team and In-house testing facility, we have passion for developing new products at regular intervals. Our R&D department has enabled us to develop technically superior and quality efficient products.

Being an ISO 9001-2015 & 14001-2015 certified company, we have complete manufacturing facilities with advance technology at our factories equipped with advanced automatic machines so that we are able to deliver quality product as well as customized solution to the customer as required.

Dudhi Fiber Reinforced polymer - FRP products are basically manufactured with world class Multilayer Composite Unifier (MCU) Polymer technology by compressed molding system and the woven fiber fabrics are randomly arranged in it which provide more strength and flexibility to the product with complex shapes. With the use of special quality raw materials, the products are having ability to sustain heavy load vehicular traffic movement on it apart from its aesthetic value.

## ► World Class Infrastructure

- 4 world class manufacturing units at Dantor, Bikaner (Raj.) and Silana, Jhajjar (Hr.)
- Extensive sales and ware house network spread across the length and breadth of the country.

## ► Product range

The range of products offered by us are as per the requirement of building segments as under:



Gypsum Based Products	Cement Based Products	FRP Products
Gypsum Plaster (Brick Solution)	Tile Adhesive	Manhole Cover
Gypsum Plaster (Brick Solution-95)	Granite & Marble Adhesive	Gully Gratings
Plaster of Paris	Block Adhesive	Recessed Cover
Gypsum Plaster Bond	Skim Coat Plaster	Dustbin
Crack Filler	Wall Plast	Innovative Planter
Gypsum Spray Solution	Premix Plaster	Customized FRP Product
Gypsum Acoustic Plaster		



# कीमत नहीं, गुणवत्ता देखें।

Dudhi Gypsum (Brick Solution) (Moisture Resistant) is a one coat plaster specifically designed to provide protection in wet areas like bathroom, kitchens, basement, garages, balconies, parking podium etc. It provides extra protection with low absorption of moisture in air or from surface giving excellent results in skirting area application with problems arising out of capillary action and efflorescence. It can be directly used over backgrounds like bricks, blocks, RCC etc and provides a smooth inert, high-quality surface to internal walls and ceilings and a durable base for application of decorative finishes.



## ► Technical Specification

Description	Dudhi Gypsum Brick solution
Setting Time (Minutes)	20-25
Dry Bulk Density kg/m <sup>3</sup>	750-770
Tensile Strength Kg/cm <sup>2</sup>	22-30
Compressive Strength N/mm <sup>2</sup>	3-6
Coverage 13mm (kg/m <sup>2</sup> )	14
Ingredients	Calcium Sulphate Hemihydrate + Light weight aggregates like "Vermiculite" and special additives
Thermal Resistance m <sup>2</sup> k/w/13mm	0.07
Gypsum Purity (%)	80-85
Fire Resistance	Non-Combustible as per BS 476: Part 4:1970
Shelf Life	6 Months from the date of manufacturing
Chemical Composition	Calcium Sulphate Hemihydrate: CaSO <sub>4</sub> . ½ H <sub>2</sub> O
Drying Type	Setting

## ► Performance

Description	Sand Cement Plaster	Dudhi Plaster (P.O.P)	Dudhi Gypsum (Brick Solution)
Direct Application (Brick/Block/RCC)	✓	X	✓
Line & Level	X	✓	✓
Time Saving	X	X	✓
Smooth Finish	X	✓	✓
Quality Assurance	X	✓	✓
Water Curing	✓	Does Not Require	Does Not Require
Shrinkage Cracks	✓	Does Not Appear	Does Not Appear
In-House Manufacturing	X	✓	✓

## ► Consumption of Material

Consumption Per mm/ Per Sq. Ft.- 0.100 kg

Coverage 13mm Thickness 30 sq-ft/40 kg bag, 19 sq-ft/25 kg bag





### ► Features & Benefits

- Eliminates two-step process of Sand Cement Plaster and POP punning
- Doesn't require water curing
- No shrinkage cracks
- Non-combustible (when tested in accordance with BS: 476: part 4:1970), therefore a good form of thermal protection to the building structure.
- Use of light weight aggregates in the plaster mix help to improve Low thermal conductivity (0.25 W/m-K) as compared to Sand Cement Plaster (0.72 W/m-K) \*\* keeps room cooler in summer and warmer in winter; saving in energy cost
- The water absorption as per DIN EN 520 is less  $\leq 10\%$
- Excellent Capillary
- Water absorption coefficient test method – BS EN 1015-18.

### ► Available Sizes 25 kg and 40 kg

### ► Identification & Packing

Dudhi Gypsum (Brick Solution) (Moisture Resistant) is packed in PP bags. The outer layer of the bag is printed with the product image, batch number, date of manufacturing, correspondence address and application instructions.

### ► Backed by Superior Service

- Technical service team offers regular site training to use tools and technology to improve productivity.
- Intermediate site inspections and feedback.
- Recommend trained application Team.
- Largely distributed manufacturing capacity.

### ► Testing Standards

- Confirms to IS 2547 (Part I) – 1976 for physical & chemical characteristics
- Confirms to IS 2547 (Part II) – 1976 for physical characteristics
- HSN Code : 252020, GST : 5%

### ► Certification:

- Conforms and Certified to IS 2547: Part 1 and 2 of "The Bureau of Indian Standard" as per licence number CML-8400019909
- Meets standards of Green Pro certification and qualifies as green product.

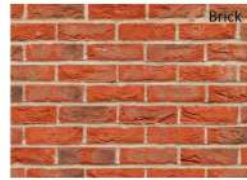
### ► Storage & Handling

Dudhi Gypsum (Brick Solution) (Moisture Resistant) is supplied in 40Kg bags. The dimensions of the bag ensure that a well-filled appearance is presented when filled and the bags can be stacked on a pallet in a stable and well-stacked array. Bags should be stored dry, as absorption of water shortens the setting time, causes set lumps to form in the bags and may reduce the strength of the set plasterwork. No hooks or any sharp tools should be used to carry bags from one location to another.





► **Application Areas** Dudhi Gypsum (Brick Solution) one coat plaster can be applied on most internal surfaces like Bricks, Blocks & RCC (Concrete) surfaces.



► **Background Preparation** Surfaces should be completely clean, reasonably dry, protected from the direct exposure from weather and suitable for the chosen specification. In addition, before plastering concrete backgrounds, ensure that any mould oil or Concrete Curing Agent (other agents) present are removed from the surface. No-fines concrete does not require wetting prior to plastering. Plaster should not be applied onto a 'green' background or when any free water is visible. Clean water should be applied 5-10 minutes before plaster application to control the suction. In-situ or pre-cast concrete which are exceptionally smooth or having low suction will require pre-treatment with Dudhi Plaster Bond bonding agent.

► **Mixing** Dudhi Gypsum (Brick Solution) (Moisture Resistant) is pre-mixed with aggregate and only clean water needs to be added to prepare it for use. Mixing should be carried out in a clean tray or bucket. Excessive mechanical mixing should be avoided. Tools and water used in mixing must be clean. Contamination from previous mixes can shorten the setting time and in turn reduce the strength of the plaster when set. Water to plaster ratio (1 part of water: 1.5 part of plaster by weight) should be maintained to have good cohesive workable mix. Prepare plaster mix as much as required depending upon the immediate scope of work. Once the mix has begun to set, additional water is not to be added, as performance properties of plaster will get altered, thus affecting workability, cohesiveness, adhesion properties and strength.

## ► Application



Step-1  
Level mark on wal



Step-2  
Filling plaster material



Step-3  
Flatten the Plaster



Step-4  
Thin slurry coat for finishing



Step -5  
Trowel



Step -6  
Ready surface for painting

Dudhi Gypsum (Brick Solution) (Moisture Resistant) should be applied with firm pressure, built out to the required thickness, and ruled to an even surface and left as an undercoat to form a key for finish coat. A thin plaster mix is made and applied as a finish coat to provide smooth surface. It can be applied to an average thickness range of 6-15 mm on walls in one coat and up to 10 mm on ceilings. For thickness above this range, material needs to be applied in two coats. The thickness should not increase to more than 30 mm (average thickness) on walls and 20 mm (average thickness) on ceiling. After complete drying for usually 72 hrs (depends upon thickness and weather conditions) the plain smooth leveled surface is ready for painting.

## ► Precautions

- Dissimilar expansion and contraction of RCC and brick / stone masonry could cause stresses and at times separation. To reduce the separation cracks, use of 145 GSM glass fiber mesh (at the junction) is recommended.
- It is not suitable for use in long continuously damp or severely humid conditions
- If Gypsum Plaster is to be applied on RCC surfaces with the thickness of the application being more than 15 mm then It is to be applied only when moisture is very low and the temperature is more than 10 degrees Celcius because RCC construction has almost negligible porosity as compared to NON-RCC SURFACES. Hence it cannot absorb water.



## ► External Plaster Work Care

In case Dudhi Gypsum (Brick Solution) is applied on internal walls but the exterior cement plaster work of the same wall is pending then Cement Plaster work must be completed prior to painting of the internal walls. Any seepage of moisture during curing from outside will from escape surface of the Gypsum plaster. Please note that the escaping water from Dudhi Gypsum (Brick Solution) may leave some green spots on the surface which can be easily removed with the help of sand paper and then Paint work of the internal walls should be done.

It is not suitable for use in long continuously damp surfaces. For application make the substrate dry and then application to be made.

The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

## Brick Solution 95

Brick Solution 95 is developed by Dudhi Gypsum Pvt. Ltd. to enhance range of Gypsum plaster and present a quality product to the internal plastering system. This plaster is Gypsum based ready mixed one coat application product which can be applied directly on brick/block walls and concrete ceilings. It eliminates both sand cement and POP application. Special formulation which is able to provide extraordinary features like more coverage, high quality finish, easy to apply, crack free surface, etc.



## ► Technical Specification

Description	Dudhi Gypsum Brick solution
Setting Time (Minutes)	20-25
Dry Bulk Density kg/m <sup>3</sup>	740-750
Tensile Strength Kg/cm <sup>2</sup>	22-30
Compressive Strength N/mm <sup>2</sup>	3-6
Coverage 13mm (kg/m <sup>2</sup> )	13
Ingredients	Calcium Sulphate Hemihydrate + Light weight aggregates like "Perlite" and special additives
Thermal Resistance m <sup>2</sup> k/w/13mm	0.07
Gypsum Purity (%)	80-85
Fire Resistance	Non-Combustible as per BS 476: Part 4:1970
Shelf Life	6 Months from the date of manufacturing
Chemical Composition	Calcium Sulphate Hemihydrate: CaSO <sub>4</sub> . ½ H <sub>2</sub> O
Drying Type	Setting

# **dudhi®** Plaster of Paris a trusted name

Dudhi Plaster of Paris is the highest grade quality plaster which will support your ideas about gorgeous interiors in to a reality. It consists of gypsum hemihydrates specially treated high purity gypsum and additives to achieve strong, durable plaster and with more coverage. This plaster is most suitable for application of internal plastering system as punning of walls and ceilings, all decorative works like cornices, roses, moldings, arches apart from in-situ false ceiling systems.

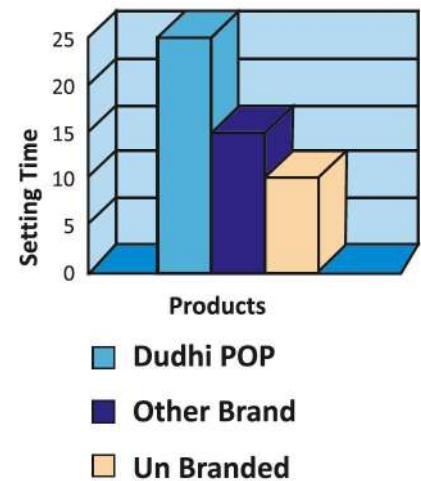


Superior whiteness of this plaster assures aesthetics of interiors and Micronics Grinding Method (MGM) provide extra fineness which results into smooth and fine carvings as desired.

Dudhi Gypsum guarantees consistency in quality in terms of setting period, coverage, free from impurities, weight, etc which generally occurred in batch-after- batch process.

## ► Technical Specification

Parameter	Dudhi Gypsum Plaster of Paris
Setting Time (Min.)	15-25
Density kg/m <sup>3</sup>	780-800
Tensile Strength Kg/cm <sup>2</sup>	15-20
Compressive Strength N/mm <sup>2</sup>	2-4
Coverage in sq. ft./25kg bag (8mm)	30
Whiteness (%)	80-85
Fineness(%)	99
Shelf Life	6 Months from the date of manufacturing
Manufacturing	In House



## ► Advantages

- Maintained better fineness as Micronics Grinding method.
- Constant quality achieved by advance technology in manufacturing machineries.
- Uses high purity Gypsum which provides good performance of strength and bonding.
- Free from silica and other impurities.
- Coverage of this Plaster is more compared to other Plaster of Paris.





No hacking no wire mesh no de-bonding .....go for Dudhi Plaster Bond.

Dudhi Plaster Bond is a bonding agent which provides excellent performance to bond Gypsum based plasters on RCC background for internal plastering systems. It is specially formulated ready to use adhesive which consists resins, aggregates and additives. It eliminates roughening, hacking and wire mesh on concrete surface. It is an ultimate choice to put a single coat by brush/roller application which is sufficient and safe solution for the Gypsum plasters. It provides chemical as well mechanical key to the plaster. Available packing size in 1, 10 & 20 kgs. bucket.



### ► Technical Specification

Parameter	Dudhi Gypsum Plaster Bond
Ingredients	Resin + Aggregate
Solid Content (%)	55 - 65
pH Value	8-10
Background	RCC
Coverage	5* m <sup>2</sup> /kg
Colour	Green
Soluble	In Water
Subtainability (°C)	2 - 50
Shelf Life	6 Months from the date of manufacturing

### ► Test Results With Bond and Without Bond

Parameter	Age	Load (KN)	Pull out Strength (N/mm <sup>2</sup> )
Without Bonding Agent	After 28 days	1.45	1.45
With bonding Agent (Plaster Bond)	After 28 days	3.60	3.60

### ► Product Features

- Excellent cohesive bond to RCC, Concrete and other surface.
- Fine aggregate provides good mechanical bonding.
- Eliminating hacking/fixing wire mesh for plastering on direct RCC surface.
- Higher coverage.
- Ready to use nothing to be added at site. Do not add water.
- Due to green colour it is easy to identify the covered area during application.
- Easy application by Brush/Roller.
- No post/pre- curing is required.

### ► Direction for Use

- Ensure the substrate is free from dust, wetness, mould oil and loose material.
- Stir well before use the adhesive as the aggregates should mix properly.
- Allow to the coat dry thoroughly (Approx 24 hours) before plastering work starts.
- Coated surface should be plastered within 10 days .

#### 3 STEP TO USE



**Step 1:**  
Open and stir  
the contents



**Step 2:**  
Apply with a  
paint brush



**Step 3:**  
Dry for 24 hrs. surface  
ready for plastering



High Coverage



Time  
Saving



Bonding



No Detachment



Interior  
use only



Dudhi Crack Filler is a gypsum-based product for filling cracks and cavities in walls. Dudhi Crack Filler contains a Polymers, Fillers & Extenders, Despersing Agents, cellulose derivative, which improves cohesive strength and promotes adhesion to ceiling boards, plaster, lime, cement.



## ► Technical Specification

Parameter	Dudhi Gypsum Crack Filler
Type	Gypsum Based
Setting Time (Min)	25-30
Moisture Resistance	Good
Wet Bulk Density	1.40 – 1.60 gm/cm <sup>3</sup>

## ► Features

- Low shrinkage -fills up to 1 mm - 2mm gaps
- Good anti-slump / non-sag properties – easily applied to vertical surfaces
- Excellent workability – easy to spread and smooth
- Paintable in 3 hours – can complete the job quickly
- White finish – less tendency to show through after painting
- High strength – can hold screws without cracking
- Good sanding and painting properties – easy to achieve desired finish Applications Filling cracks, slits, cavities and gaps on walls. Also used as a skimming agent for the smoothing of irregular wall surfaces.

## ► Application

- Smooth cracked area with a utility knife or similar tool, cutting away any jagged edges to form a “v” shape
- Excess crack filler must be worked away from the crack and smoothed off with a lightly wetted putty knife or trowel to avoid any excess crack filler from hardening in undesirable areas
- Clean the putty knife regularly with a damp cloth, which will ensure a smooth lump-free finish
- All repaired cracks must be allowed to dry for 3 hours before sanding and painting



## ► Useful Tips

- Add upto 3 parts of crack filler to 1 part of clean cold water (to form workable consistency).
- Mix to a smooth lump free paste
- Do not mix more paste than can be used within 30 minutes
- Use an 80-100mm wide flexible putty knife to feather the edges of the patch to approximately 30mm on either side of the crack. This will make the crack less noticeable to the eye.
- Dudhi Crack Filler adhesive must be kept in normal, dry conditions and protected from damp. The product has a shelf life of approximately 9 months if stored, as described above, in its original sealed moisture tight container
- Not suitable for repairing of structural faults (foundation movements and substrate)
- Not suitable for external use
- Dudhi Interior Crack Filler contains no harmful materials but may cause skin irritation to some individuals. Do not ingest and avoid contact with eyes.



# **dudhi**<sup>®</sup> a trusted name **Spray Solution**

Dudhi Gypsum Spray Solution is latest innovation for internal plastering system. This is a ready mix plaster which can be directly applied on any solid background as Brick/Block and RCC substrate for ceiling and walls plastering. Specially formulated and designed Spray Solution having properties of Cracks free finish, Good Impact Strength and Durable. It is ideal for application in High Rise Apartments, Group Housings, Builder's Flats, Bungalows, Pent Houses, Office Buildings, RMI, Commercial Complex, Shopping Malls and Hotel Buildings.



## ► Technical Specification

Parameter	Dudhi Gypsum Spray Plaster
Setting Time (Min.)	60-180
Density kg/m <sup>3</sup>	700-730
Tensile Strength Kg/cm <sup>2</sup>	22-30
Compressive Strength N/mm <sup>2</sup>	5-8
Coverage 13 mm (kg/m <sup>2</sup> )	12
Ingredients	Gypsum + Imported Aggregate + Additive
Thermal Resistance m <sup>2</sup> k/w/13mm	0.07
Gypsum Purity (%)	80-85
Shelf Life	6 Months from the date of manufacturing
Manufacturing	In House

## ► Advantages

- Longer setting material provides better work ability.
- Suitable to machine-manual application hence save time & labour cost.
- More material goes to the walls in less time.
- Less man days required as approximate 50 to 60 % Labour Saving.
- No water curing.
- Greater Bonding.
- Direct application.
- Good Impact strength.
- Economical.



## ► Application

1. **Mixing** - Spray Solution is designed to work with pump spray machines. Simply open the bag over the machine hopper and the machine automatically mixes the plaster to consistent mix on demand.
2. **Spray** - Spray Solution is sprayed to an even thickness. The first layer is sprayed horizontally and the second layer is sprayed vertically (known as cross-hatching)
3. **Flatten** - After 5-10 minutes, the sprayed surface is flattened with aluminum Strip.
4. **Trowel** - The surface is trowel finished in three stages. After completely material get set. The wall/ceiling is now finished. Once dry, the surface is ready for decorating with painting or additional treatment.

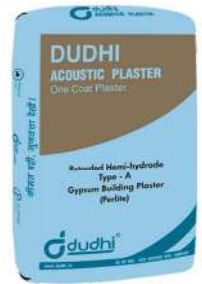




# **dudhi®** Acoustic Plaster

a trusted name

Dudhi Gypsum Acoustic Plaster is an innovative product Introduced by company after getting great success of ready mix Gypsum based plaster ie : Brick Solution. This plaster is specially formulated and designed as suitable to internal plastering which provides visually appealing aesthetics, good adhesion on to the walls and ceilings, durable, most economical apart from greater sound absorption (NRC) property. Dudhi Gypsum Acoustic plaster consists with special imported ingredients as Aggregates, additives and Calcium Sulphate . It is ideal for application in Reception areas, Auditoriums, Meeting Rooms, Cinema/Multiplexes, Banquets, Banks, Class Rooms, Sound Recording studios and Educational Institutes where NRC value is more importance.

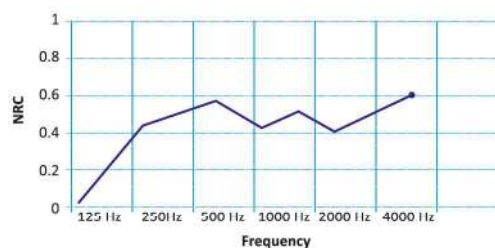
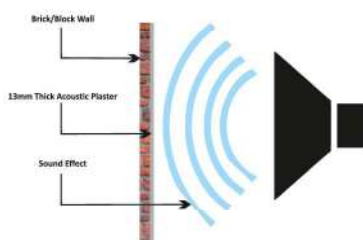


## ► Technical Specification

Parameter	Dudhi Gypsum Acoustic Plaster
Setting Time (Min)	22-28
Density kg/m <sup>3</sup>	600-650
Tensile Strength Kg/cm <sup>2</sup>	18-22
Compressive Strength N/mm <sup>2</sup>	2-3
Coverage 13 mm (kg/m <sup>2</sup> )	10.5
Ingredients	Gypsum+ Imported Aggregate + Additive
Noise Reduction Coefficient (NRC)	0.60
Shelf Life	6 Months from the date of manufacturing
Manufacturing	In House

## ► Advantages

- Good Acoustic Plaster properties as Noise Reduction Co-efficient (NRC) value - 0.60.
- No Post Curing is required.
- Free from shrinkage cracks.
- Manufacturing with advance technology & special formulation.
- Less wastage and higher coverage makes it economical.



Sound Proof



Fire Protection



Aesthetics



Temperature Control



Crack Free



Eco-friendly





## ► List of Reputed Customers

	Various Projects, INDIA		Gurgaon		Vasant Vihar, New Delhi
	Gurgaon		Sec.-104 & 111, Gurgaon Sec.-81, 88, Faridabad		BHIWADI, RAJSTHAN
	Various Projects, INDIA		Various Projects, Delhi NCR		Various Projects, Delhi NCR
	Westin Hotel, Gurgaon, Faridabad		Sec.-102 Gurgaon (P.O.P. & Bricks Solution)		Malviya Nagar, Jaipur
	Gurgaon		Sec.-60, Gurgaon		Various Projects, Delhi NCR
	Gurgaon		Presidia, Sec-62, Gurgaon		Sector 102, Gurugram
	Gurgaon		Paras Irene, Sec.-70A Gurgaon		Splendor Megapolis, Hinjewadi, Pune
	Gurgaon, Noida Godrej Prana, Infinity Pune		KRRISH IBIZA IN, Suraj Kund, Faridabad		Central Vista Parliamentary division Mussoorie polo ground
	Gurgaon		JP Greens and JP Hospital, Sec.-128, NOIDA		Gurgaon
	Gurgaon		Sector 45 & 107, NOIDA		Various Projects, Delhi NCR
	Gurgaon		Supernova Noida Express-way, Noida		Krajeja Commorzone, Yerwada, PUNE
	Gurgaon		Moderne, Mezzaria, Merabella, Meadows, Mywoods, Mantra SEC 78, NOIDA		Shweta Aryan, Jeedimetla, hyderabad
	Gurgaon		Cherry County, Cleo County, SEC 121 Noida (U.P.)		Nakshatrawadi, Aurangabad
	The Palm Drive & The Palm Spring, Gurgaon		Apex Athena Sec-75, Noida (U.P.)		Rajarhat New Town, Kolkata (WB)
	Manesar, Gurgaon		Vaishali, Ghaziabad, U.P		38, Park Majestique, Undri Majestique City, Wagholi, Majestique Magnum, Pisoli, Palm Atlantis, Wagholi
	Various Projects, Gurgaon		Sec. - 104 & 109, Gurgaon Sec.-150, Noida		Mahaveer Park, Mahaveer Corner, Mahaveer Delight, Dhruv Residency, Della Regency, Yashodhan Daffodills, Deveyani Residency
	Various Projects, Delhi NCR		Various Projects, Delhi NCR		Dynamic Realty, Dynamic Oasis, Pune Dynamic Linea, Pune
	Various Projects, Delhi NCR		AERO City, New Delhi		Various Projects, Delhi NCR

कीमत नहीं, गुणवत्ता देखें।



## **Dudhi Industries Pvt. Ltd.**

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**Regd. Office:** B-1/2, Ashok Vihar Phase - III, Gurugram-122001(HR.)

**Manufacturing Plants:**

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