



HD-O-MR Gypsum Plaster



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PRESENTS

For the first time in the Indian gypsum plastering industry, we introduce 100% organic, nanopolymer, chemical-free gypsum plastering with greater potency

SARWINPLAST HD-O-MR

Sarwinplast HD-O-MR is an imported Iranian gypsum plaster utilizing nano-polymer technology. It combines 100% organic polymers that resist cracks and moisture, offering superior finishing while eliminating health-damaging chemicals typically found in ordinary gypsum through a triple purification process. This product is approved by Intellectual Property India (Reg. No. 4959973, 29 April 2021, under the under the Government of India).



LET'S LIVE HEALTHY WITH NATURE WITH SARWINPLAST

Sarwinplast is the only polymerized gypsum currently available in India with comprehensive test certifications.



COMMON ISSUES WITH ORDINARY GYPSUM PLASTER

One of the biggest drawbacks of traditional gypsum plastering is its reaction to moisture in humid climates, which weakens bonding strength over time. This can lead to cracking and paint detachment within eight to ten years.

INTRODUCING SARWINPLAST HD-O-MR POLYMERIZED GYPSUM PLASTER

Sarwinplast HD-O-MR is produced by mixing 100% organic polymers with high-density (HD grade) gypsum, boasting over 95% purity to address the shortcomings of conventional gypsum.

KEY CHARACTERISTICS OF SARWINPLAST HD-O-MR

1. Organic nano-polymers enhance elasticity, preventing rupture.
2. Increased water resistance due to nano-polymers.
3. Provides a superior gloss finish for walls.
4. Reduces paint absorption by 20%, saving paint costs.
5. Enhances paint adhesion for longer-lasting results.
6. Minimizes moisture-related issues.
7. Organic nano-polymers help reduce indoor heat.
8. Extended shelf life due to moisture absorption, slowing crystallization. Unlike traditional gypsum, which has a shelf life of only 3 to 6 months, HD-O-MR offers significantly longer durability.
9. Beware of counterfeit Natural/HD-MR gypsum in the market. When selecting quality gypsum, check the manufacturing date, batch number, shelf life, Government of India IS-Grade Quality Test Certificate, Water Absorption Certificate, and Country of Iran Certificate.



ARE ORGANIC NANO-POLYMERS HARMFUL TO HEALTH?

Organic nano-polymers are commonly used in cosmetics to prevent irritation and for waterproofing applications. Therefore, they are not harmful to health.

PARAMETERS	UNITS	LIMITS	OBSERVATION
Color	-	Super White	Super White
Purity	%	98-99	98.85 %
Whiteness	%	90-92	95 %
Mesh No 200; v	%	0/010-0/025	0/019 %
CaSo4	%	98	98.65 %
So3	%	54.57	57.25 %
Organic Polymer Content	%	5-8	7.10 %
Compressive Strength	N/mm ²	14.60	18.06 %
Flexural Strength	N/mm ²	4.60	5.92 %
Plater/Water Ratio	Kg	1.7-1.8/IL	1.78
Crystal Water	%	3.8	3.95 %
Water Releasing	mm	10-15	12.21 mm
Density	kg/m ³	700-800	815 kg/m ³
Heat-Moisture Rel. Rest	-	-	Pass
Initial Setting Time	M	10-12	11.25 Minutes
Final Setting	inutes	20-24	23.85 Minutes
Water Absorption	M %	-	29.85 %

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SARWINPLAST HD MR-GYPSUM PLASTER: APPLICATION PROCESS STEPS



1

Clean loose particles, dirt, grease and traces of adhering material from the wall surface with the help of sand paper, putty blade or by wire brush.



2

Mix Sarwin Gypsum Plaster to water and not water to powder. Water to plaster ratio should be (1 part of water and 1.5 part of gypsum plaster) maintained to provide a good cohesive workable mix.



3

Mix Sarwin Gypsum Plaster to water with the help of hand to form a uniform lump free paste.



4

Install the wooden or steel strip/ dhada or install the leveling strip in the area where the paste needs to be applied. Apply the single coat approx. up to 8 mm to 10 mm of thickness; before the coat sets rake, cross rake the surface.



5

Fill in any hollow area, Level off and compact the surface. Then apply the final finish coat.



6

After complete drying for usually 72 hrs. (Depending on the thickness and humidity), the plain smooth leveled surface is ready for painting application.



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