

Commodity: Gypsum Plaster

Sample No: P102

About Product

(hydrous calcium sulfate/calcium dehydrate or $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) is white, smooth powder that is derived from heating gypsum rock. When gypsum is heated in air it loses water and converts first to calcium sulfate hemihydrate, (often called “plaster”) and, if heated further, to anhydrous calcium sulfate (anhydrite). Stucco is applied wet and hardens to a very dense solid.

GYPSUM POWDER CHEMICAL ANALYSIS SUPER MICRONIZED 200 MESH

Product Description

This product is produced with special size distribution and physical – chemical properties, according to international standards. This product is very soft and has excellent flexibility.

Product Benefits

- ✓ Whiteness and shininess above 92%
- ✓ Product Micronization that causes the final layer of plaster to be flat and polished
- ✓ Remarkable flexibility and softness
- ✓ Great adhesion
- ✓ No cracking due to high purity
- ✓ Late Initial setting time and fast Final setting time.

Product Applications

This type of gypsum is used for final layer of plastering with high mesh. In addition, it is used in GYPSUM BOARD factories and gypsum prefabricated walls.

Physical and chemical specification:

Parameters	Unit	Acceptance Limit	Results	Test Method
Whiteness	%	88up	92	Whiteness Meter WSB-2A
Initial Setting Time	min	6-12	7	BS EN 13279-2
Final Setting Time	min	12-25	15	BS EN 13279-2
Water/ Stucco Ratio	%	NA	83	BS EN 13279-2
Compressive Strength(2h)	N/mm ²	6up	7.0	BS EN 13279-2
Flexural Strength(2h)	N/mm ²	2up	2.6	BS EN 13279-2
Remain on 200 mesh sieve	%	<4		ASTM -C471-M-20
Combined Water (CW)	%	4-7	5.7	ASTM -C471-M-20
Slump	mm	155-210	120	BS EN 13279-2



Advantages

- Whiteness above 92%.
- It is light in weight and more durable.
- It has low thermal conductivity.
- It is very good fire resistant and hence a very good heat insulating material.
- It does not shrink while setting. Therefore, it does not develop cracks on heating or setting.
- It forms a thick surface to resist normal knocks after drying.
- It mixes up easily with water and is easy to spread and level.
- It has good adhesion on fibrous materials.
- It gives a firm surface on which the colors can settle.
- It has no appreciable chemical action on paint and does not cause alkali attack.

Packing

- Gypsum plaster in 25 kg bag
- Or Customized based on your need

Usage

- Decorative coating for walls
- Ceilings and as a sculptural and artistic material in architecture
- To cover less visually appealing construction materials such as metal, concrete, cinder block, or clay brick and adobe
- As a building material, stucco is a durable, attractive, and weather-resistant wall covering As a sculptural and artistic material
- Gypsum board

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