



ISO 9001:2015
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ISO 14001:2015
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DESCRIPTION

GULF Gypsum Plus is suitable for surface finishings and decorative elements, with a long setting time. It is made of fine white gypsum, consisting essentially of calcined gypsum $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$.

APPLICATIONS

- Surface finishing
- Decorative elements and casting
- Suspended ceilings
- Concealing and filling processes
- Marble bonding
- Decorative workshops
- Repairing cracks

FEATURES

- Very fine gypsum powder
- Decorative
- Highly flexural
- Calcined gypsum powder
- Compressive strength suitable for casting
- Suitable for building finishing purposes
- No cracking
- 40 kg plastic bags

METHOD OF USE

- Clean and clear the container from remnants of previous mixtures to prepare the mortar. The water used in the mixture should not be salty, acidic, or oily. The water temperature must be between 17 and 23°C.
- Pour water into the container and then add GULF Gypsum Plus. Give the plaster 3 to 4 mins to absorb the water.
- Mix GULF Gypsum Plus using a trowel or a hand mixer until a homogeneous flowing consistency is reached. If a hand mixer is used, operate it at low speed since it can affect the setting time.
- Do not add water or extra plaster to the mortar during or after mixing to prevent lumps.
- Do not mix any other product or materials into GULF Gypsum Plus.
- Clean the mold of the mortar and place it on a surface enabling to vibrate the mold easily.



Highly
flexural



High Compressive
strength



No
cracking

- Lubricate the mold surface using an appropriate lubricant to ensure smooth removal of the plaster from the mold.
- Pour the mortar into the mold and covering it completely.
- Clean the surroundings of the mold when the plaster begins to set. The plaster in the mold will begin to warm. After the warming period, the plaster is unmolded.
- Keep the unmolded plaster in the ambient temperature until it dries out. This will prevent breakage and cracks during installation.
- Prepare the mortar that bonds the mold using GULF Gypsum Plus in the same way.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Water/gypsum ratio (water consistency)	%	70	ASTM C 472
Physical state	-	Powder	Visual inspection
Appearance	-	White fine powder	Spectrophotometer
Initial setting time	min	9 - 11	ASTM C 472
Final setting time	min	24 - 27	ASTM C 472
Fineness on 150 μ sieve	%	≥ 95	ASTM C 472
Fineness on 250 μ sieve	%	100	ASTM C 472
Fineness on 600 μ sieve	%	100	ASTM C 472
Combined water at 230 $^{\circ}$ C	%	5 - 6	ASTM C 471
Compressive strength	MPa (N/mm ²)	≥ 12	ASTM C 472
Flexural strength	N/mm ²	≥ 4	EN 13279
Insoluble residue + silica dioxide	%	≤ 0.17	ASTM C 471
Sodium chloride NaCl	-	NA	ASTM C 471
Calcium oxide CaO	%	≥ 31	ASTM C 471
Sulfur trioxide SO ₃	%	≥ 40	ASTM C 471

RECOMMENDATION

It is recommended to use safety gloves, masks and glasses when applying the product to prevent the risks of inhalation and irritation of the skin and eyes.

STORAGE AND HANDLING

- The properties of the product are guaranteed only if it is stored and used in the right way.
- If the product becomes moist, hardened lumps that deteriorate its properties will develop.
- Store in a dry area.
- Avoid the bag's contact with the ground to protect it against humidity.

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All specifications reflect averages derived from product sample testing and are provided as guidance only. They are subject to inherent variances and may be changed without notice to improve reliability, function, or design or otherwise.

Manufactured according to ASTM & EN standards by ASK Gypsum Factory Ltd.