

PLASTER OF PARIS, QUICK-SETTING GYPSUM PLASTER CONSISTING OF A FINE WHITE POWDER (CALCIUM SULFATE HEMIHYDRATE) , WHICH HARDENS WHEN MOISTENED AND ALLOWED TO DRY. KNOWN SINCE ANCIENT TIMES, PLASTER OF PARIS IS SO CALLED BECAUSE OF ITS PREPARATION FROM THE ABUNDANT GYPSUM FOUND NEAR PARIS.



PLASTER OF PARIS DOES NOT GENERALLY SHRINK OR CRACK WHEN DRY, MAKING IT AN EXCELLENT MEDIUM FOR CASTING MOLDS. IT IS COMMONLY USED TO PRECAST AND HOLD PARTS OF ORNAMENTAL PLASTERWORK PLACED ON CEILINGS AND CORNICES. IT IS ALSO USED IN MEDICINE TO MAKE PLASTER CASTS TO IMMOBILIZE BROKEN BONES WHILE THEY HEAL. WITHIN THE PAST 40 YEARS, OUR GYPSUM POWDER HAS BEEN THE MOST SOUGHT-AFTER PLASTER OF PARIS PRODUCT IN IRAN IN CONSTRUCTION INDUSTRY AND BEYOND.

DATASHEET

CaSO₄.2H₂O %	93.09
Free water %	0.07
Combined water %	3.95
Cl %	0.05
Na₂O %	0.08
MgO %	0.31
K₂O %	0.02
SiO₂ %	1.27
Al₂O₃ %	0.47
Fe₂O₃	0.54
Residual	0.15
Hardness (N/mm²)	2.19
The minimum cohesion strength (N/mm²)	0.14
Whiteness	>90
The minimum compressive strength (N/mm²)	8.21
The minimum flexural strength (N/mm²)	3.16
The amount of gypsum in 100 cc water (gr)	143
The minimum initial setting time (min)	4:40
The maximum final setting time (min)	14.25

Our commitment to quality starts with the best-in-class natural rock gypsum in Iran and continues with manually screening rocks with slightest of impurity out of the production process. The extremely high quality of our gypsum powder eliminates the need for painting the interior walls.