

Plaster of Paris (POP)

Fine white gypsum plaster with controlled setting and strength properties.

Product Plaster of Paris (POP)	Physical form White fine powder	Country of origin Egypt
Document TDS-POP-R01	Release 20.4.11	Status Typical reference data

Performance and Physical Properties

Property	Result	Unit
Water ratio	70-75	%
Physical state	Powder	
Appearance (color)	White fine powder	
Initial setting time	8-12	min
Final setting time	15-22	min
Fineness on 60 micron sieve	>90 pass	%
Soundness	No appearance of decay, bubbles or holes	
Combined water at 230 C	5-6	%
Compressive strength	>= 11	MPa
Flexural strength	2-5	MPa

Chemical Analysis

Property	Result	Unit
CaSO ₄ .2H ₂ O (purity, as reported)	>95	%
SO ₃	46.5	%
CaO	32.00	%
SiO ₂ / Al ₂ O ₃ / Fe ₂ O ₃ (reported together)	0.165	%
Na ₂ O	0.02	%
K ₂ O	0.01	%
MgO	0.021	%
Cl	0.013	%

Typical applications: Interior plaster and repair; decorative cornices and castings; ceramic moulds; prefabricated gypsum elements; model casting; compatible industrial moulding processes.

Selection: State the application, setting window, reference grade, water ratio or consistency target, quantity, packing and destination.

Packing: Packing format and shipment configuration are confirmed in the commercial offer according to quantity, handling and destination.

Technical note: Values reproduce the supplied reference Certificate of Analysis and are typical, not a shipment guarantee. The source reports the purity row as CaSO₄.2H₂O and groups SiO₂ / Al₂O₃ / Fe₂O₃ in one result; both are reproduced without reinterpretation. Final lot results are confirmed in the shipment COA.