



ÇİMSA

CEM IV/B (P-Q) 32.5 N
MASTER POWER



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LONG-LASTING PLASTER, EASY TO APPLY



Çimsa Master Power has been developed to improve workability, consistency, and surface finishing properties in plaster and mortar applications. With its low density, the product provides higher yield in plaster and mortar production. Thanks to the content of trass and calcined pozzolan, exterior plasters gain resistance against moisture while offering an environmentally friendly solution at the same time. The fine filler material reduces the risk of thermal cracking, while the low shrinkage property in screed concretes provides superior performance against cracking. Compatibility with building limes and additives ensures safe use in various applications. The product serves as an ideal solution for a wide range of building applications such as plaster, mortar, leveling screed, coating, insulation, tile, and ceramic adhesives.

**ÇİMSA MASTER POWER
(CEM IV/B (P-Q) 32.5 N)
POZZOLANIC CEMENT IS PRODUCED
IN ACCORDANCE WITH THE TS EN
197-1:2012 STANDARD AND HAS
THE FOLLOWING PROPERTIES:**



Chemical Properties	Çimsa Values (%)	Limits According to Standard (EN 197-1)	
		min	max
Insoluble Matter	40,5	-	-
SiO ₂	31,5	-	-
Al ₂ O ₃	9	-	-
Fe ₂ O ₃	2,7	-	-
CaO	43,3	-	-
MgO	1,45	-	-
SO ₃	2,9	-	3,5
Loss on Ignition (LOI)	4,8	-	-
Na ₂ O	0,8	-	-
K ₂ O	0,7	-	-
Chloride (Cl)	0,04	-	0,1
Pozzolanic Feature	Provides the test	-	-

Physical Properties	Çimsa Values	Standard Limits (EN 197-1)	
		min	max
Specific Gravity	2.89 gr/cm ³	-	-
Specific Surface (Blaine)	4900 cm ² /gr	-	-
Initial Setting	200 min	75	-
Final Setting	270 min	-	-
Water	28,50%	-	-
Volume Constancy (Le Chatelier) 1.0 mm		-	10
0.045 mm Retained Material	7,00%	-	-
2-Day Compressive Strength	13 MPa	-	-
7-Day Compressive Strength	24 MPa	16	-
28-Day Compressive Strength	37 MPa	32,5	52,5



ADVANTAGES



HELPS PREVENT CRACK FORMATION

The pozzolan content of Çimsa Master Power helps prevent shrinkage cracks. This not only avoids surface aesthetic defects but also supports the long-term performance of the mortar.



OPTIMIZED SETTING TIME

With its optimized setting time, the cement offers an ideal balance between workability and setting. Safe management of the setting process is ensured even under hot and cold weather conditions, while controlled strength development enhances surface quality and overall efficiency.



HIGH ADHESION STRENGTH

With its high adhesion strength, the material ensures strong bonding of plasters and mortars to the surface. Durability in applications is enhanced, offering long-lasting solutions. Compatibility with different additives ensures reliable results.



OPTIMUM WATER RETENTION RATE

Çimsa Master Power improves workability in plaster and mortar applications with its optimum water retention feature. Rapid water loss under wind and hot weather is prevented, preserving application quality. Extended workability duration ensures ease of application.



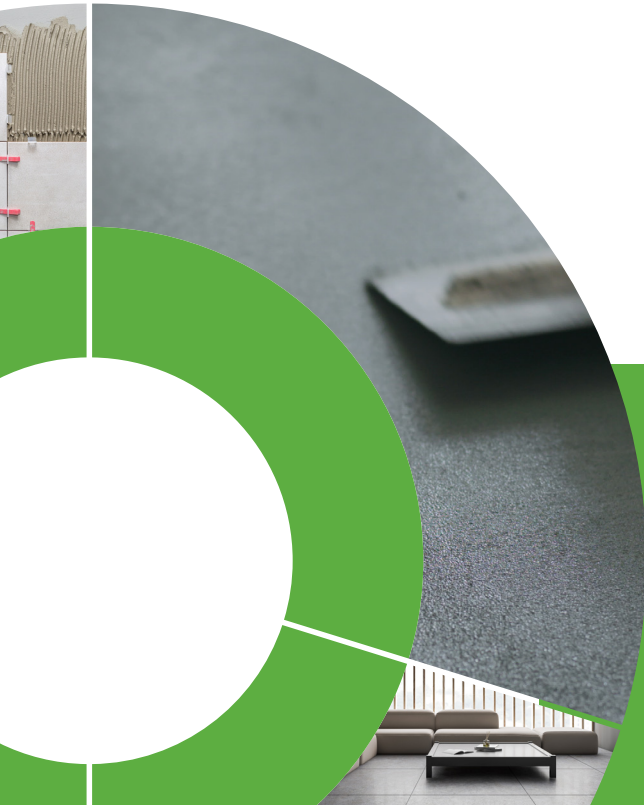
HELPS PREVENT EFFLORESCENCE

The pozzolan content of Çimsa Master Power reduces the amount of calcium hydroxide ($\text{Ca}(\text{OH})_2$) in concrete, preventing it from surfacing and causing white stains. In this way, aesthetic and surface problems related to efflorescence are prevented, while durability and appearance in exterior plasters are preserved.



LOW CARBON FOOTPRINT

Çimsa Master Power is produced with reduced clinker content thanks to its pozzolan content. This results in lower CO_2 emissions during production and reduces its carbon footprint. With its eco-friendly structure, it contributes to sustainable construction practices.



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