



ÇİMSA

CEM II/C-M (V-L) 32.5 R
MASTER POWER



MASTER POWER



CEM II/C-M (V-L) 32.5 R



LONG-LASTING PLASTER, EASY TO APPLY



Çimsa Master Power is a specialized product designed to enhance workability, consistency, and surface finishing properties in plaster and mortar applications. Thanks to its low density, users can achieve higher yield in plaster and mortar production. Containing fly ash and ground limestone, the product provides resistance to moisture in exterior plasters, offers an environmentally friendly solution, and is ideal for projects near coastal areas. The fine filler material helps reduce the risk of thermal cracking, while the low shrinkage property ensures superior performance against cracking in screed concretes. Compatibility with building limes and additives allows safe use in various applications. A wide range of building solutions such as plaster, mortar, leveling screeds, coatings, insulation, tile, and ceramic adhesives can benefit from this product.

**ÇİMSA MASTER POWER
(CEM II/C-M (V-L) 32.5 R)
PORTLAND-COMPOSITE CEMENT IS
PRODUCED IN ACCORDANCE WITH
THE TS EN 197-5 2021 STANDARD
AND HAS THE FOLLOWING
PROPERTIES:**



Chemical Properties	Çimsa Values (%)	Limits According to Standard (EN 197-5)	
		min	max
Insoluble Matter	5.0-9.0	-	-
SiO ₂	15.0-19.0	-	-
Al ₂ O ₃	4.0-6.0	-	-
Fe ₂ O ₃	1.5 - 2.5	-	-
CaO	53.0-58.0	-	-
MgO	1.5-2.5	-	-
SO ₃	2.0-3.0	-	3,5
Loss on Ignition	12.0-16.0	-	-
Na ₂ O	0.2 - 0.4	-	-
K ₂ O	0.60 - 0.85	-	-
Chloride (Cl)	0.01 - 0.03	-	0,1
Pozzolan Feature	Provides the test	-	-

Physical Properties	Çimsa Values	Limits According to Standard (EN 197-5)	
		min	max
Specific Gravity	2.94 gr/cm ³	-	-
Specific Surface Area (Blaine)	4000-4500 cm ² /gr	-	-
Initial Setting Time	160 -220 min	75	-
Final Setting Time	220 - 280 min	-	-
Water	%28- 30	-	-
Soundness (Le Chatelier)	1.0 mm	-	10
Residue on 0.045 mm Sieve	%3- 5	-	-
2-Day Compressive Strength	16-22 MPa	10,0	-
28-Day Compressive Strength	34-39 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.



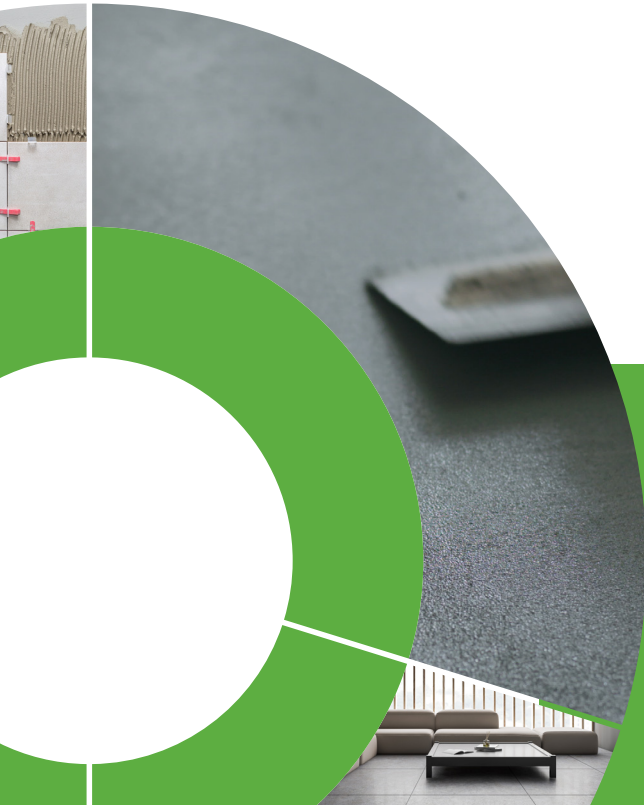
HELPS PREVENT EFFLORESCENCE

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.



Mersin Plant

Toroslar mah. Tekke cad. Yenitaşkent

33250 Akdeniz/Mersin

T: (324) 241 23 00

F: (324) 454 00 25

ÇİMSA