

# Çimsa Combines Global CAC Capacity with Innovation for High-Performance Industrial Applications

NEW YORK, NY, UNITED STATES, April 1, 2026 /EINPresswire.com/ -- [Çimsa](#), a subsidiary of [Sabancı Holding](#) and one of the world's leading producers of calcium aluminate cement (CAC), continues to strengthen its position as a global specialty materials partner for industries operating under the most demanding conditions, including refractory manufacturing, steel production, mining, and advanced infrastructure.

CAC's resistance to extreme heat, chemical aggression, and mechanical wear makes it indispensable in refractory systems, industrial furnace linings, mining infrastructure, and steel refining processes where conventional cement cannot perform. In addition, its rapid hardening and early strength development make CAC an important binder in construction chemicals and specialized building materials.

#### CAC as a Strategic Industrial Material:

As industrial processes become more demanding and performance expectations increase, CAC is increasingly recognized as a strategic material supporting the evolution of advanced building materials and high-performance industrial systems.

"CAC is a critical material that enables entire industrial value chains to operate at the performance levels modern industry requires," said [Onur Yazgan, Vice President](#) of White



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Cement and Special Products Marketing & Sales at Çimsa. “Our role is to ensure that customers across these sectors, whether they are producing steel, manufacturing refractory systems, or operating in mining, have access not only to reliable CAC supply, but also to the technical expertise needed to maximize its performance.”

#### Expanding Global CAC Capacity:

To support growing international demand, Çimsa is planning to complete a capacity expansion at its Mersin facility in the first half of 2026, which will enable the company to supply approximately 20% of global CAC demand outside China.

The Mersin plant remains the only facility in the world capable of producing gray cement, white cement, and CAC within a single integrated production site, reflecting Çimsa’s advanced manufacturing capabilities and decades of expertise in high-value specialty materials.

#### Innovation with a Focus on Commercial Impact:

Beyond production scale, Çimsa continues to expand the value it delivers to industrial customers through innovation driven by its R&D centers. “At Çimsa, innovation is powered by the synergy between our R&D centers — the Formula Center in Mersin and the Sabancı Technology Center in Munich at the Technical University of Munich (TUM),” said Onur Yazgan, Vice President of White Cement and Special Products Marketing & Sales at Çimsa. “For us, innovation is closely linked to commercialization. We focus on solutions that respond to real industry needs and deliver measurable value in practical applications.”

One example is DURO, a calcium aluminate-based (CA) flux developed specifically for high-quality steel production. DURO improves steel purification processes by enabling more efficient slag formation and accelerating desulfurization, while also extending refractory lining life and reducing energy consumption during refining.

“Products like DURO demonstrate how deep CAC expertise can translate into tangible operational advantages for our customers,” Yazgan added. “Improved slag performance, longer refractory service life, and lower energy consumption are outcomes that directly impact efficiency on the production floor.”

#### Engaging with the Global Refractory Industry:

Çimsa recently participated in the 61st Annual Symposium on Refractories, organized by the Refractory Ceramics Division of The American Ceramic Society in St. Louis, bringing together leading refractory producers, industry experts, and academic researchers from across the global refractory ecosystem.

During the symposium, Çimsa engaged with key stakeholders from the refractory industry and highlighted its portfolio of CAC-based refractory binders, the REFRO series, and DURO refining materials.

The event also provided an important platform for discussing evolving industry needs and exploring collaboration opportunities with refractory manufacturers and research institutions,

particularly in the United States market, where demand for advanced refractory solutions and high-performance industrial materials continues to grow.

Through its participation, Çimsa shared insights into the role of CAC in next-generation refractory systems while demonstrating how innovation-driven solutions such as DURO can contribute to improved efficiency, longer refractory service life, and more sustainable industrial processes.

About Çimsa:

Çimsa (<https://cimsa.com.tr/en/>), a subsidiary of Sabancı Holding (<https://www.sabanci.com/en/>), was founded in Mersin (Türkiye), in 1972. Today, the company operates as a global leader in building materials with a strong footprint across multiple markets. Çimsa carries out its manufacturing operations through three integrated plants in Mersin, Eskişehir, and Afyonkarahisar (Türkiye), an integrated cement plant in Bunol (Spain), an integrated cement and advanced packaging facility under Mannok Holdings in Ireland, a cement grinding facility in the USA, and terminals in Germany, Spain, Italy, and the TRNC. Recognized as one of the leading global brands in white cement and calcium aluminate cement (CAC), Çimsa sustains its international operations through Sabancı Building Solutions, a company established by integrating Çimsa's operational expertise with the financial strength of Sabancı Holding, its main shareholder. Thanks to its market-driven approach and extensive distribution network, Çimsa consistently meets the needs of its customers, delivering high-quality products and services on time. As a trusted partner, the company provides essential materials for durable, sustainable living spaces and infrastructure for future generations. Çimsa continues to pioneer the Turkish cement and building materials industry through innovation, offering specialty products such as white cement and calcium aluminate cement alongside traditional gray cement. With a focus on profitable growth and value creation for all stakeholders, Çimsa's ambition is to sustain its leadership and strengthen its role as a global innovator in the years ahead.

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