

TECHNICAL DATA SHEET

SUPER WHITE ECO CEM II/A-LL 52.5 R

1.- GENERAL INFORMATION:

Çimsa Super White ECO cement (CEM II/A-LL 52.5 R) is chosen in more than 70 countries around the world for its high value of whiteness, stability, quality and high strength.

The advantages that Çimsa's Super white ECO cement offers are as follows:

- Low carbon footprint **GWP A1-A3 Total = 842 Kg CO₂ eq/t Cement**
- High compressive strength
- Higher early-strength
- Excellent finishes in the realization of concretes and precast.
- Low alkali content

2.- APPLICATION AREAS:

Some of the areas of application of Çimsa Super White ECO cement are the following:

- Microcement
- Technical Mortars
- Builder Chemical products
- Premolds products
- Cementitious adhesives, monolayers and plaster
- Manufacturers of Artificial Stone
- Manufacture of exposed concrete and white or colored mortars
- Manufacture of glass fiber reinforced concrete
- High Strength Concrete
- Prestressed Concrete

3.- PRODUCTION PROCESS:

The safety of our workers, quality and stability of the product, are the main objectives in the manufacturing facilities of Çimsa. This is achieved with strict control at all stages of the manufacturing process, from the receipt of raw materials, the production process and the delivery of the final product. The production processes are certified according to EN ISO 9001, EN ISO 14001, EN ISO 45001 and EN ISO 50001 standards.

Cement produced with more than 15% reduction in CO₂ emissions thanks to the incorporation of additives and the use of alternative fuels and biomasses in its manufacture.

4.- SPECIFICATIONS:

The Çimsa Super White ECO Cement meets the requirements of the European standard EN 197-1.

4.1- Composition:

	EN 197-1	Çimsa (*)
Clinker	80 a 94 %	85 %
White Limestone LL	06 a 20 %	15 %

4.2- Physical Characteristics:

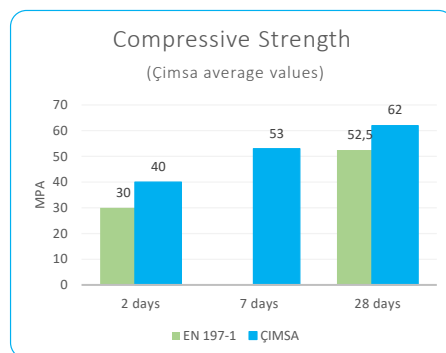
	EN 197-1	Çimsa (*)
Initial setting	≥45 min	190 min
Le-chatelier expansion	≤10 mm	1 mm
Blaine	---	490 m ² /Kg

4.3- Color according to UNE 80305:

	UNE 80305	Çimsa (*)
Luminosity L* (Cielab)	>85%	94 %

(*) Average Values Çimsa

4.4- Mechanical Properties: EN 197-1



4.5- Chemical Properties:

	EN 197-1	Çimsa (*)
Loss on Ignition	---	7.5 %
Insoluble Residue	---	0.2 %
% SO ₃	≤ 4.0 %	2,90%
% Cl	≤ 0.1 %	0.02 %
Cr (VI)	≤ 2.0 ppm	0.1 ppm

- Çimsa white cements do not require a chromium (VI) reducing agent.

4.6- Other standards:

This Cement complies with the Physical, Chemical and Mechanical specifications of the American standard ASTM C-1157 as HE Mixed Hydraulic White Cement. Information available upon request to our service center.

5.- STORAGE CONDITIONS AND PRECAUTIONS OF USE:

- Store in dry and watertight places.
- Pay attention to all components of concrete (aggregates, pigments and additives), formwork, transport conditions and commissioning that may cause changes in color.
- Do not mix with gypsum or other cements.
- Perform a suitable curing to prevent the cracking of the concrete.
- In the handling of cement sacks it is recommended to take extreme safety measures to avoid possible injuries, as well as to use clothing and personal protective equipment such as glasses, gloves and boots. Use mechanical aids whenever possible.

6.- FORMAT:

- Packed in bags of 25 Kg
- Bulk
- Big-Bag

7.- CONTACT:

web: www.cimsacementos.es

Phone: +34 918270120

Mail: cement.bianco@cimsacementos.es