



BEAUTY
POWER
FREEDOM

} OF WHITE

çimsa

CİMSA
CIMENTO SANAYİ VE TİCARET A.Ş.

most popular!

The world's white cement

www.cimsa.com.tr

With the dawning of the new millennium, it is a pleasure for us to present this catalogue introducing white cement products for the new millennium and the world's white cement leader, Çimsa.

Within the vision of wide horizons, we established Çimsa, our white cement production facility in 1989. In 1999, with the completion of a huge investment, Hacı Ömer Sabancı White Cement Facility began operating in Mersin. With our super white cement, we became "the world's biggest producer of white cement".

We are looking forward to the future with confidence on behalf of development of our sector, our country and mankind; our enthusiasm still bears the dynamism of our early days.

Respectfully,



ÇİMSA, which was founded in Mersin in 1972, carries out high quality cement production activity through specializing and increasing investments for white cement, the construction product for the new millennium. ÇİMSA, which owns high technology equipment, production, storage and packaging facilities, bears TS-EN-ISO 9001 : 2000 Quality System Certificate granted for production, organization and technological system quality and EN 197-1 CEM I 52,5 N White Portland cement CE marks and kitemark certificates.

ÇİMSA, which is one of the leading cement producers in Turkey, exports it's products to various countries in the Middle East, Northern and Western Africa, America as well as Southern and Northern Europe.

Currently, with an annual white cement production capacity of 1.1 million tones, ÇİMSA is the largest white cement producer in the world and its leadership is being reinforced everyday.

ÇİMSA IN FIGURES

Clinker Prod. Capacity:

1.100.000 tones/year gray

1.000.000 tones/year white

Cement Prod. Capacity:

2.500.000 tones/year gray

1.100.000 tones/year white

Ready-mixed Conc. Prod. Cap.:

1.500.000 m³/year

Ready-Mixed Conc. Terminals: Exports:

15 terminals

164 transmixers

32 pumps

To more than 20 countries



ADHESIVE AND JOINT
FILLING MATERIALS



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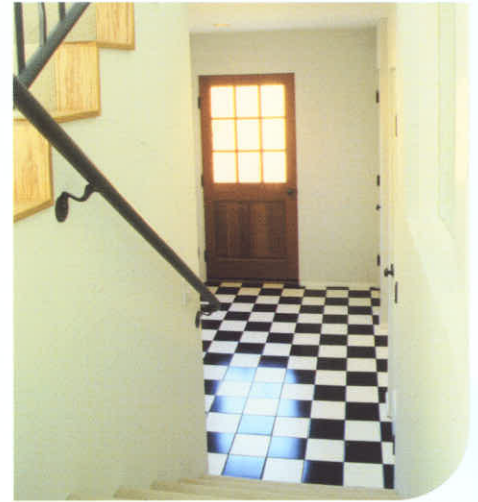
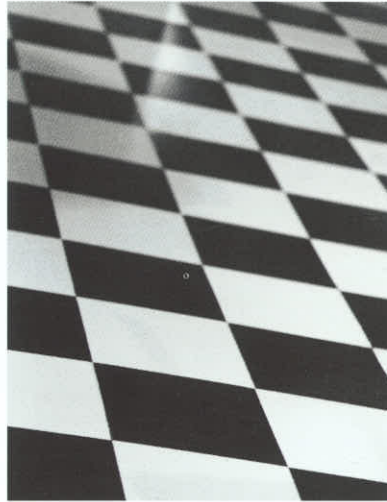
ADHESIVE AND JOINT FILLING MATERIALS

PRODUCT SORTS

- Tile adhesive
- Joint filling materials

AREAS OF USE

- Faience flooring
- Ceramic tile flooring
- Marble and granite flooring
- Structure joints
- All kind of impermeability works



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READY-MIXED PLASTER AND MORTARS



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READY-MIXED PLASTER AND MORTARS

PRODUCT SORTS

- Decorative ready-mixed plaster
- Fine satin plaster
- Leveling compounds
- Repair mortars
- Industrial floor mortars
- Insulation mortars
- Anchorage mortars

AREAS OF USE

- Interior and exterior facades of structures and ceilings
- Roof insulations
- Floors of plants-workshops-industrial facilities
- Airports and heliports
- Old and damaged reinforced concrete structure renovations
- All kinds of decorative works
- Swimming pools
- Water ducts
- Water reservoirs
- Anchorage works for machinery and equipment



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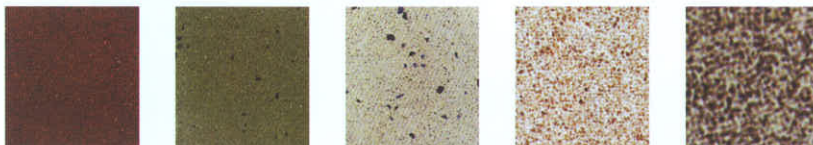
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FLOORING



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FLOORING

PRODUCT SORTS

- Floor tiles with different colors and patterns
- Thin floor tile
- Wash concrete
- Concrete plates worn by acid and sanding
- Concrete paving blocks
- Crossed stone
- Sidewalk flooring plates

AREAS OF USE

- Internal and external areas of houses, workplaces, business centers and shopping malls
- Parks, garden and walking areas
- Sidewalks
- Swimming pool periphery
- Public square flooring



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ARCHITECTURAL AND DECORATIVE CONCRETES



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ARCHITECTURAL AND DECORATIVE CONCRETES

PRODUCT SORTS

- Fair-faced reinforced concretes
- Decorative white concretes
- White leightweight concretes

AREAS OF USE

- Trade and business centers
- Convention centers
- Opera and theatre buildings
- Museum and exhibition halls
- Metro and train stations
- Flyovers
- Communication towers
- Bridges
- Retaining walls
- Religious structures
- Stadiums and sports areas
- Housing estates and residence constructions
- Aesthetics and decorative structures



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THE CONTEMPORARY STRUCTURAL MATERIAL WHITE CEMENT



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THE CONTEMPORARY STRUCTURAL MATERIAL WHITE CEMENT

PRODUCT NAME

White Portland Cement

PRODUCT STANDARD

TS EN 197-1 CEM I 52.5N

TECHNICAL CHARACTERISTICS

- High whiteness level.
- Whiteness degree is minimum 85%.
- Early strength and the rate of strength development are high. 2 day compressive strength value is 37 MPa. No steam curing required.
- Ultimate strength is high. 28 day compressive strength is 60 MPa.
- Easily fills pores due to fine grinding.
- Listed within the class of low alkali cements due to its low alkali content.

AREAS OF USE

- Architectural and decorative concretes.
- Ready-mixed plaster and mortars.
- Adhesive and joint filling materials.
- Park and garden furniture.
- Works of art.
- Flooring.
- Precast elements.



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WORKS OF ART



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WORKS OF ART

PRODUCT SORTS

- Small sculptures
- Monuments
- Scarfite and relief applications

AREAS OF USE

- Park and garden arrangements
- Sculptures
- Public squares
- Historical and artistic structures
- Restoration of archaeological works
- Contemporary art applications
- Relief
- Wall pictures
- Reproductions



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CITY FURNITURES



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CITY FURNITURES

PRODUCT SORTS

- Concrete kerbs of different characteristics
- Delta posts
- Flower pots
- L-type flat and rotating stairs
- Balcony patterns
- Concrete columns
- Exterior panels
- Sitting groups and benches
- Border stones
- Garbage cans
- Bicycle parks
- Bus stops
- Reinforced concrete grids
- Fountains
- Decorative works and works of art

AREAS OF USE

- Walking areas
- House gardens
- Parks and garden arrangements
- Public squares



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PRE-CAST ELEMENTS



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PRE-CAST ELEMENTS

PRODUCT SORTS

- White prefabricated concrete elements
- External facade panels
- Wash concrete applications
- Concrete plates worn by acid and sanding
- Sidewalk flooring plates
- Paving stones
- Concrete kerb stones
- Decorative coating stones
- Ready-made stairs
- Ready-made balconies
- Window sills
- White briquettes
- Reinforced concrete channels
- Concrete blocks

AREAS OF USE

- External facades for all kind of structures
- Park and garden walk areas
- Swimming pools
- Decorative adornments of residential constructions
- Public area arrangements at urban centers
- Avenue-street-road constructions
- Park and garden decorations
- Bus stops
- Illumination poles



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PRODUCT CHARACTERISTICS



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WHITE PORTLAND CEMENT

EUROPEAN STANDARD EN 197-1 CEM I 52.5 N

CHEMICAL PROPERTIES	CIMS A VALUES	EN 197-1 LIMIT VALUES	
		Minimum	Maximum
Loss on Ignition	%	27	50
Insoluble Residue	%	01	50
Sulphate Content (as SO ₃)	%	33	40
Chloride Content (Cl ⁻)	%	001	01
PHYSICAL AND MECHANICAL PROPERTIES			
Whiteness (CIE system, value Y)	%	855	
Initial Setting Time	minute	130	45
Soundness	mm	10	100
Specific Surface	cm ² /gr	4300	
2 Day Compressive Strength	MPa	37	20
28 Day Compressive Strength	MPa	60	52.5

WHITE PORTLAND CEMENT

ASTM STANDARD C-150 TYPE I

CHEMICAL PROPERTIES	CIMS A VALUES	EN 197-1 LIMIT VALUES	
		Minimum	Maksimum
Loss on Ignition	%	27	30
Insoluble Residue	%	01	075
Sulphate Content (as SO ₃)	%	33	350
Magnesium Oxide (MgO)	%	12	60
PHYSICAL PROPERTIES			
Whiteness (Hunter lab system)	L	92.46	
	a	1.95	
	b	4.40	
Specific Surface	m ² /kg	430	280
Soundness	mm	0.02	0.80
Initial Setting Time	minute	130	45
Final Setting Time	minute	160	375
3 Day Compressive Strength	(PSI)	4350	1740
7 Day Compressive Strength	(PSI)	5100	2760
28 Day Compressive Strength	(PSI)	6300	4060



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WHITE PORTLAND CEMENT (MIN. WHITENESS OF 85%)



50 KG



25 KG

