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Hércules Towers, Cádiz. Architect RAFAEL DE LA-HOZ.

A GLOBAL
REFERENCE
IN WHITE
CEMENT



Grupo Ortiz Offices. Vallecas, Madrid. Architect BRUCE S. FAIRBANKS.

A GLOBAL REFERENCE IN WHITE CEMENT



Science Museum, Valencia. Architects SANTIAGO CALATRAVA and FÉLIX CANDELA.

CEMEX has the second largest production capacity of white cement in the world and has been the market leader for almost 100 years.

Our facilities are equipped with the latest technologies in: Spain - located in Buñol with the world's largest white cement kiln, Mexico - located in Monterrey, Valles and Atotonilco with exports to over 20 countries, and USA - with factories in Texas and Pennsylvania*.

Quality and sustainability are the two most important aspects in the culture of the company, and therefore all of the plants develop market reference white products with the least amount of CO₂. Our proprietary technology yields energy improvements of up to 20% per ton of clinker produced.

CEMEX: THE BEST WHITE CEMENT IN THE WORLD

Our extensive experience in product development in the building materials sector have made CEMEX the chosen brand to perform major construction and engineering works with structural concrete and high range precast in recent years.

Due to the purity and characteristics of the limestone used as raw material, our products offer highest levels of whiteness and homogeneity in the market, which allows excellent aesthetics results and multiply the luminous capacity of the buildings and infrastructure requiring lower power consumption.

* Lehigh White joint venture





Seafront of Benidorm, Alicante. Architect CARLOS FERRATER.

WHITE ARCHITECTURAL CONCRETE

White cement is the ideal material for concrete works providing an aesthetic finish whilst maintaining high structural performance. It is a versatile and durable material requiring no external treatments or coatings and can replicate a variety of textures and reliefs.

The reflectance of light and the heat island effect are two of the features of the white cement that contribute to lower energy consumption in buildings.



International Airport Benito Juárez, Terminal 2. Mexico DF. Architect SERRANO ARQUITECTOS Y ASOCIADOS S.C.

APPLICATION

HIGH END PRECAST

Constructions with white concrete precast, both structural - concrete panels - as well as decorative - fences, walls, pools, etc. - provide excellent results both aesthetically and for their durability, strength and ease of installation. Also, the white cement is an extraordinary material for industrial elements manufacturing such as blocks, curbs, tiles or pipes and, of course, to create all types of urban streetscapes and furniture.



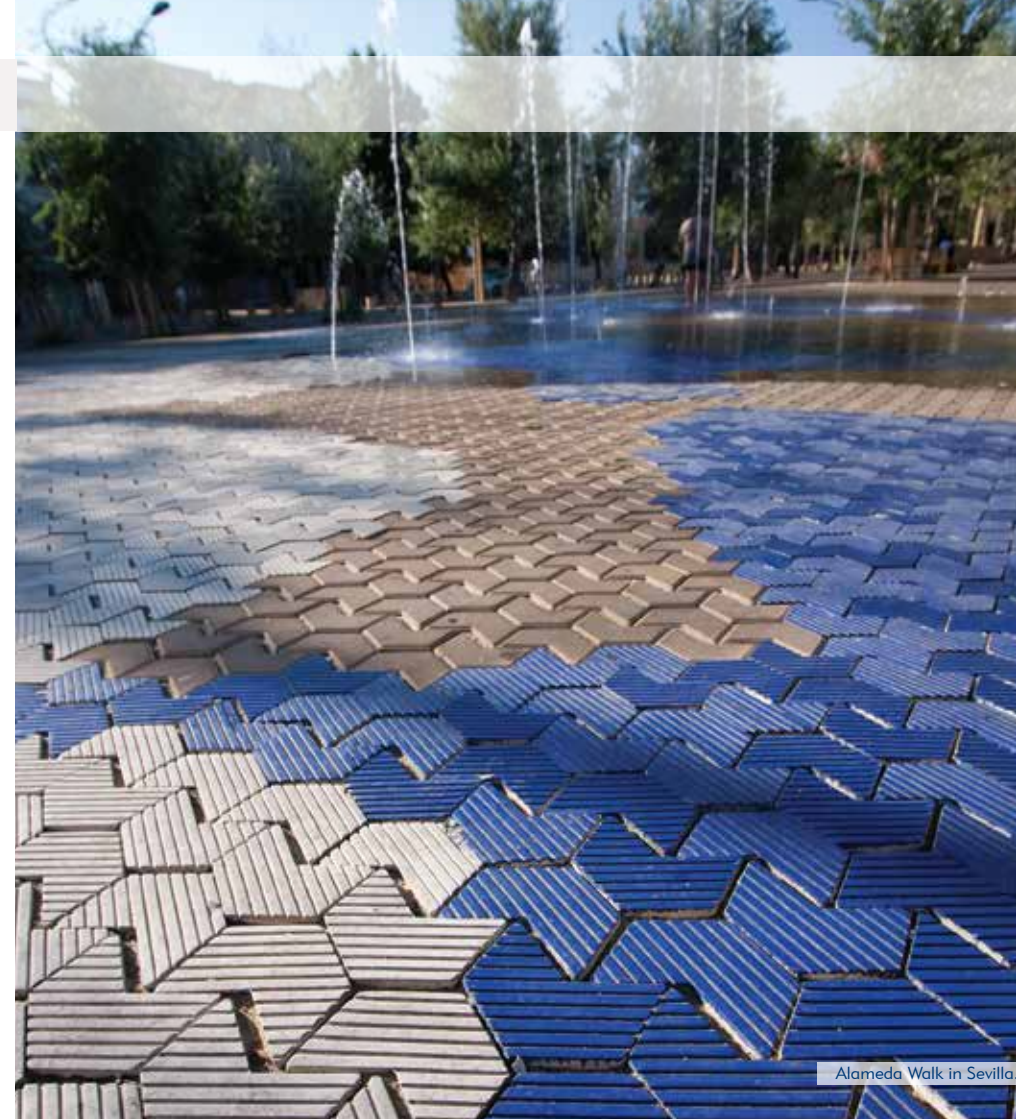
BULEVAR DE LA NATURALEZA

APPLICATION

RENDERING AND WHITE COLORED MORTARS

Mortars are an efficient finishing material, not only for their aesthetic qualities but also for its insulating qualities, durability and ease of application.

Mortars vary from adhesive mortars to stucco or wall coverings, thermal insulation and waterproofing, among others.



CONCRETE PAVEMENTS

The performance of white cement based pavements allows wide possibilities for design and colors.

Thanks to its qualities of durability, wear resistance and impact and ease of maintenance, it is a very interesting material for both indoor and outdoor.

Alameda Walk in Sevilla.



blanco

CEMEX 52,5

CEM I 52,5R WHITE-UNE EN 197-1:2000



NAME	CEM I 52,5 R	
COMPRESSIVE STRENGTH	2 days > 30.0	28 days > 52,5
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none"> • Reinforced and prestressed concrete where high mechanical strengths are required at all ages. • Very careful prefabrication of white or coloured pieces or elements. 	
PRESENTATION	25 / 50 kg bags Bulk Bigbag	PRODUCTION PLANT: Buñol (Spain)

CEMEX 52,5

CEM II/A-LL 52,5R WHITE-UNE EN 197-1:2000



NAME	CEM II/A-LL 52,5 R	
COMPRESSIVE STRENGTH	2 days > 30.0	28 days > 52,5
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none"> • Reinforced concrete. • White or coloured fair-faced concrete where high mechanical strengths are required at all ages. • Prefabrication of white or coloured non-prestressed elements. • White or coloured mortar. 	
PRESENTATION	25 kg bag Bulk Bigbag	PRODUCTION PLANT: Buñol (Spain)



blanco

Torres de Hércules. Arquitecto RAFAEL DE LA-HOZ

CEMEX 42,5 CEM II/B-LL 42,5R WHITE-UNE EN 197-1:2000



NAME	CEM II/B-LL 42,5 R	
COMPRESSIVE STRENGTH	2 days > 20,0	28 days > 42,5 < 62,5
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none">• Mass or reinforced concrete when high mechanical strengths are required at all ages and a white or coloured fair-faced finish.• Prefabrication of white or coloured non-prestressed elements with or without hygrothermal treatment.• White or coloured mortar.	
PRESENTATION	25 / 50 kg bags Bulk Bigbag	PRODUCTION PLANT: Buñol (Spain)

CEMEX MASONRY CEM 22,5 X WHITE-UNE EN 197-1:2000



NAME	CEM 22,5 X	
COMPRESSIVE STRENGTH	7 days > 10,0	28 days > 22,5 < 42,5
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none">• Masonry mortars.• White or coloured grout.• White or coloured coatings.	
PRESENTATION	25 / 50 kg bags Bulk Bigbag	PRODUCTION PLANT: Buñol (Spain)



MOST CONSUMED BRAND IN AMERICAS

CEMEX Tolteca Portland White Cement Type I ASTM C-150		
NAME	ASTM C-150 Type I	
COMPRESSIVE STRENGTH	3 Days > 25MPa	7 days > 30 MPa 28 Days > 40MPa
RECOMMENDED APPLICATIONS	<ul style="list-style-type: none">• Reinforced concrete.• White or coloured fair-faced concrete where high mechanical strengths are required at all ages.• Prefabrication of white or coloured non-prestressed elements.• White or coloured mortar.	
PRESENTATION	25, 40 and 50 Kg bags Bulk Bigbag	PRODUCTION PLANT: Velles (Mexico)



EXCEPTIONAL WHITENESS AND RESISTANCE

CEMEX White cement complies with international standards and regulations



	AMERICAN STANDARD		EUROPEAN STANDARD EN 197-1:2011	
	Requirement	CEMEX Tolteca	Requirement	CEMEX Tolteca
Compressive strength				
2/3 days	≥ 12 MPa	25 MPa	≥ 30 MPa	35 MPa
7 days	≥ 19 MPa	30 MPa		42 MPa
28 days	≥ 40 MPa	42 MPa	≥ 52,5 MPa	59 MPa
Whiteness index	85%	92,6%	L* ≥ 85	



	AMERICAN STANDARD ASTM 150				EUROPEAN STANDARD EN 197-1:2011			
	Requirement	CEMEX BL I 52,5R	Requirement	CEMEX BL /B-LL 42,5R	Requirement	CEMEX BL I 52,5R	Requirement	CEMEX BL /B-LL 42,5R
Compressive strength								
2/3 days	≥ 12 MPa	34 MPa	≥ 10 MPa	24 MPa	≥ 30 MPa	47 MPa	≥ 30 MPa	33 MPa
7 days	≥ 19 MPa	43 MPa	≥ 16 MPa	32 MPa		60 MPa		44 MPa
28 days	≥ 40 MPa	50 MPa	≥ 40 MPa	38 MPa	≥ 52,5 MPa	69 MPa	≥ 42,5 MPa	53 MPa
Whiteness index	85%		85%		L* ≥ 85%	94,0%	L* ≥ 85%	93.7

Torre Cube, Jalisco, México. Arquitectos ESTUDIO CARME PINÓS.

Nota: Whiteness index L in Cielab coordinates
CEMEX data: yearly average results