



# White Cement

Catalogue 2024





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## White Portland Cement

- ✓ CEM | 52.2 N
- ✓ CEM | 52.2 R
- ✓ CEM II /B-LL 42.5N
- ✓ White Portland Clinker

### Advantages:

High fineness

Suitable setting time

It gives high final compressive strength

Conformity with the below Standard specifications

Egyptian Standard Specifications (ES. 4756-1 / 2009 )

European Standard Specifications (EN 197/1-2004)

### Applications:

Decoration works

Architectural finishing works

Not to be used in reinforced concrete works



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	Packing type	Description	Shipping & loading way
50kg Polypropylene bags	<b>50kg Polypropylene bags</b>		
	50kg PP bags in loose	White cement packed in polypropylene bags of 50kg to be directly stuffed into the container	560 bags of 50kg (28MT/20'container)
	50kg PP bags in sling bags of 1.75MT	White cement packed in polypropylene bags of 50kg, and every 35 bags mounted inside sling bag of 1.75MT	16 sling bags of 1.75MT (28MT/20'container)
	50kg PP bags Shrink Wrap on treated wooden pallet 1.5MT	White cement packed in polypropylene bags of 50kg, and each 30 bags mounted by Shrink Wrap on treated wooden pallet of 1.5MT	18 pallets * 30bags = 540 bags of 50kg (27MT/20'container)
40kg Polypropylene bags	<b>40kg Polypropylene bags</b>		
	40kg PP bags in loose	White cement packed in polypropylene bags of 40kg to be directly stuffed into the container	700 bags of 40kg (28MT/20'container)
	40kg PP bags in sling bags of 1.4MT	White cement packed in polypropylene bags of 40kg and every 35 bags mounted inside sling bag of 1.4MT	20 sling bags of 1.4MT (28MT/20'container)
	40kg PP bags Shrink Wrap on treated wooden pallet 1.4MT	White cement packed in polypropylene bags of 40kg, and each 35 bags mounted by Shrink Wrap on treated wooden pallet of 1.4MT	19 pallets * 35bags = 665 bags of 40kg (26.6MT/20'container)
Jumbo bags	<b>Jumbo bags</b>		
	Jumbo Bags 1.75MT	White cement Packed inside big bags of 1.75MT	16 bags of 1.75MT (28MT/20'container)
	Jumbo Bags 1.5MT	White cement Packed inside big bags of 1.5MT	18 bags of 1.5MT (27MT/20'container)
25kg Paper bags	<b>25kg Paper bags</b>		
	25kg paper bags in sling bags of 1MT	White cement packed in paper bags of 25kg and every 40 bags mounted inside sling bag of 1MT	24 sling bags of 1MT (24MT/20'container)
	25kg paper bags in Shrink Wrap on treated wooden pallet 1.4MT	White cement packed in paper bags of 25kg, and each 56 bags mounted by Shrink Wrap on treated wooden pallet of 1.4MT	19 pallets * 56bags = 1064 bags of 25kg (26.6MT/20'container)



# White Cement CEM I 52.5 R

White Cement CEM I 52.5 R	Average	Min	Max	Requirements of EN 197-1	
				CEM I 52.5 R	
<b>Chemical Composition</b>					
MgO	%	0.27	0.22	0.32	Max 5.0
SO <sub>3</sub>	%	3.27	3.09	3.37	Max 4.0
CL	%	0.075	0.064	0.092	Max 0.10
Loss on ignition	%	3.07	2.7	3.61	Max 5.0
Insoluble residue	%	0.17	0.15	0.18	Max 5.0
<b>Physical Properties</b>					
Fineness (Blaine)	m <sup>2</sup> /kg	427	418	435	
Soundness	Mm	0.8	0.5	1	Max 10
<b>Compressive Strength</b>					
2 Days	MPa	42.6	37.1	46.5	Min 30
28 Days	Mpa	74	70.5	77.9	Min 52.5
<b>Setting Time</b>					
Initial Setting Time	Minutes	162	135	180	Min 45
Final Setting Time	Minutes	214	190	235	
<b>Other Properties</b>					
Reflected (Ry), DIN 5033	%	86.2	86	86.5	

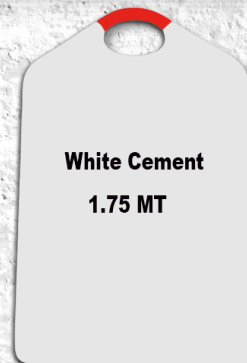




# White Cement

## White Cement CEM I 52.5 N

		Results	Requirements of EN 197-1 CEM 1 52.5 N
<b><u>Chemical Composition</u></b>			
MgO	%	0.23	Max 5.0
SO <sub>3</sub>	%	2.8	Max 4.0
CL	%	0.065	Max 0.10
Loss on ignition	%	3.6	Max 5.0
Insoluble residue	%	0.30	Max 5.0
<b><u>Physical Properties</u></b>			
Fineness (Blaine)	m <sup>2</sup> /kg	420	
Soundness	mm	1.1	Max 10
<b>Compressive Strength</b>			
2 Days	MPa	30.9	Min 20
28 Days	MPa	68.0	Min 52.5
Initial Setting Time	Minutes	138	Min 45
Reflectance (Ry)	%	87.0	
Water Soluble Cr Content	mg/kg	< 2	



# White Cement

## White Cement CEM II/B-LL 42.5 N

White Cement CEM II/B-LL 42.5 N		Average	Min	Max	Requirements of EN 197-1
					CEM II/B-LL 42.5 N
<b>Chemical Composition</b>					
SO3	%	2.61	2.37	2.77	Max 3.5
CL	%	0.067	0.053	0.082	Max 0.10
Loss on ignition	%	14.27	12.51	15	
<b>Physical Properties</b>					
Fineness (Blaine)	m <sup>2</sup> /kg	564	548	586	
Soundness	Mm	0.8	0.5	1	Max 10
<b>Compressive Strength</b>					
2 Days	MPa	26.6	24.5	29.2	Min 10
28 Days	Mpa	48.1	46.5	53	Min 42.5 – Max 62.5
<b>Setting Time</b>					
Initial Setting Time	Minutes Minutes	165	155	175	Min 60
Final Setting Time	Minutes Minutes	219	205	230	
Reflected (Ry), DIN 5033	%	87	86.6	87.3	





## White Cement Clinker

Chemical Analysis	Test Result
SiO <sub>2</sub>	25.2
AL <sub>2</sub> O <sub>3</sub>	2.6
Fe <sub>2</sub> O <sub>3</sub>	0.16
CaO	69.7
MgO	0.25
SO <sub>3</sub>	0.6
L.O.I	0.6
F	0.30
CL	0.064
<b>Total</b>	<b>99.7</b>
LSF	94.4
SM	9.0
C <sub>3</sub> S	72.2
C <sub>2</sub> S	18.0
C <sub>3</sub> A	6.7
F.CaO	3.1
Whiteness	87.5





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