



AL-WAFAA
FOR TRADING
EGYPTIAN CEMENT EXPORT

WHITE PORTLAND CEMENT

CEM I 52.5N

Premium quality White Portland Cement manufactured in Egypt using high purity raw materials and advanced technology to deliver exceptional whiteness, strength and consistency for architectural and decorative applications.



PURE WHITE
COLOR



HIGH
STRENGTH



CONSISTENT
QUALITY



LOW IN
IMPURITIES



ASTM & EN
COMPLIANT



APPLICATIONS



ARCHITECTURAL
CONCRETE



PRECAST &
PRESTRESSED ELEMENTS



INTERIOR &
DECORATIVE FINISHES



TERRAZZO & MOSAIC
APPLICATIONS



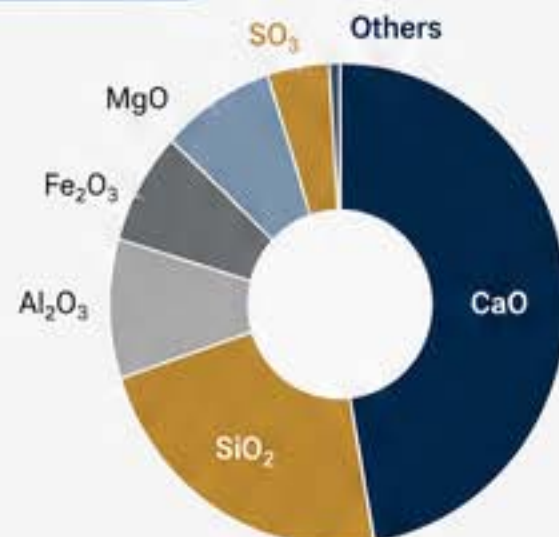
WHITE PLASTER &
MORTARS



ARTISTIC &
SCULPTURAL WORKS

TYPICAL CHEMICAL COMPOSITION (%)

CaO	64.0 – 67.0
SiO ₂	20.0 – 22.0
Al ₂ O ₃	4.0 – 5.0
Fe ₂ O ₃	0.2 – 0.4
MgO	1.0 – 1.5
SO ₃	2.0 – 3.0
Na ₂ O _{eq}	≤ 0.60
Cl ⁻	≤ 0.10
Loss on Ignition	≤ 2.5
Insoluble Residue	≤ 1.0



PHYSICAL & MECHANICAL PROPERTIES

PROPERTY	REQUIREMENT (EN 197-1 CEM I 52.5N)	TEST METHOD
Compressive Strength (2 Days)	≥ 20 MPa	EN 196-1
Compressive Strength (28 Days)	≥ 52.5 MPa	EN 196-1
Initial Setting Time	≥ 60 min	EN 196-3
Final Setting Time	≤ 600 min	EN 196-3
Soundness (Le Chatelier)	≤ 10 mm	EN 196-3
Fineness (Blaine)	≥ 400 m ² /kg	EN 196-6
Whiteness (L* Value)	≥ 90	ISO 7724-3
Brightness	≥ 95	ISO 2470
Bulk Density	0.90 – 1.10 g/cm ³	EN 196-6

WHITENESS
(L* VALUE)

≥ 90

BRIGHTNESS

≥ 95