



# CLINKER 52.5 N

**Clinker 52.5 N** is a premium-grade cement clinker ideal for producing high-strength Portland cement. It's perfect for heavy-duty projects like infrastructure, high-rises, and industrial concrete. Manufactured with strict quality control, it ensures long-lasting strength and performance.

## CHEMICAL COMPOSITION:

NO	DESCRIPTION	Formula	Unit	Value
1	Silicon Dioxide	SiO <sub>2</sub>	%	21.02
2	Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	%	6.11
3	Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	%	3.89
4	Calcium Oxide	CaO	%	65.78
5	Magnesium Oxide	MgO	%	0.99
6	Sulfur Trioxide	SO <sub>3</sub>	%	0.80
7	Chloride	Cl <sup>-</sup> < 0.1	%	0.048
8	Loss On Ignition	L.O.I	%	0.28
9	Insoluble Residue	I.R	%	0.3
10	Free-Lime	F-CaO < 2	%	1.2
11	Chromium Hexavalent	Cr VI ≤ 2	ppm	1.0
<b>MODULES</b>				
1	Lime Saturation Factor (LSF)			94.15
2	Silica Modulus (SM)			2.1
3	Alumina Modulus (AM)			1.57
<b>PHASE COMPOSITION</b>				
1	Tri Calcium Silicate	C <sub>3</sub> S > 52	%	54.19
2	Di Calcium Silicate	C <sub>2</sub> S	%	19.41
3	Tri Calcium Aluminates	C <sub>3</sub> A	%	9.62
4	Tetra Calcium Aluminum Ferrite	C <sub>4</sub> AF	%	11.83

Phone +55 47 99661-6930 / +55 41 8890 5797

E-mail: info@alzak.com

Address: Bulding 1804 King Hamid Sultan Hamid Ben Moizah- Deirah - Dubai