

CEM I 52.5 N

Standard specification	Result	specifics
chemical composition		
	20.40%	SiO ₂
	4.72%	Al ₂ O ₃
	3.74%	Fe ₂ O ₃
	62.89%	CaO
Max 5	1.26%	MgO
Max 4.0	2.57%	SO ₃
	0.26%	K ₂ O
	0.44%	Na ₂ O
< 0.10	0.051%	CL
< 2 ppm	1.84 ppm	Cr+6
Max 5.0	0.51%	Insoluble residue
Max 5.0	1.87%	Loss on ignition
	53.80%	C ₃ S
	18.85%	C ₂ S
	6.19%	C ₃ A
	11.36%	C ₄ AF
Physical properties		
	3496 cm ² /g	Fineness (Blaine)
Max 10	0.50 mm	Expansion
Compressive strength		
Min 20	25.70 Mpa	2 Days
Min 52.5	56.80 Mpa	28 Days
Min 45	175 Minutes	Initial Setting Time
	235 Minutes	Final Setting Time
	0.65%	Free Lime