



POWER CIM I

WHITE CEMENT CEM I 52.5 R



		Minimum	Mean	Maximum
Chemical Properties (%)	Al ₂ O ₃	4.0	4.4	5.2
	CaO	66.0	67.6	69.0
	Fe ₂ O ₃	0.18	0.25	0.30
	K ₂ O	0.10	0.45	0.80
	MgO	0.10	0.50	1.00
	SO ₃	2.00	2.90	3.50
	SiO ₂	21.50	22.00	23.00
	Na ₂ O	0.00	0.10	0.20
	Cl ⁻	0.001	0.04	0.10
	F, CaO	1.00	1.50	2.50
	LOI	1.5	2.50	4.00
Mechanical properties (%)	Compressive strength (MPa)			
	at 2 Days	36	38	40
	at 28 Days	59	61	63
	Initial setting times (Minutes)	100	120	140
	Blaine (SSB) (cm ² /g)	4400	4500	4600
Optical properties (%)	Expansion (mm)	-	4	8
	Whiteness β	84.0	85.0	86.0
	Clarity L	93.0	93.8	94.5
	a	-2.0	-1.5	-1.0
	b	3.00	4.50	5.0