



Portland cement Specifications

Grade		42.5R		42.5		
		GB175-1999 Standard	Factory testing result	GB175-1999 Standard	Factory testing result	
soundness (%)		Pass	Pass	Pass	Pass	
SO ₃ (%) ≤		3.5	3.4	3.5	3.4	
MgO (%) ≤		5.0	3.0	5.0	3.0	
Fineness (%) ≤		10.0	5.0	10.0	5.0	
Loss on Ignition (%) ≤		5.0	4.0	5.0	4.0	
Time of Setting (min.)	Initial setting time ≥	45.0	60.0	45.0	60.0	
	Final setting time ≤	600.0	300.0	600.0	330.0	
Strength (Mpa)	Flexural strength	3 days ≥	4.0	4.5	3.5	4.0
		28 Days ≥	6.5	7.5	6.5	7.5
	Compressive strength	3 days ≥	21.0	24.0	16.0	24.0
		28 Days ≥	42.5	48.0	42.5	48.0

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