



Portland cement Specifications

Grade		32.5R		32.5		
		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	≤ 4.8	≤ 5.0	≤ 4.8	
Time of Setting (min.)	Initial setting time	≥ 45.0	≥ 60.0	≥ 45.0	≥ 60.0	
	Final setting time	≤ 600.0	≤ 360.0	≤ 600.0	≤ 420.0	
Strength (Mpa)	Flexural strength	3 days	≥ 3.5	≥ 4.0	≥ 2.5	≥ 3.0
		28 Days	≥ 5.5	≥ 6.5	≥ 5.5	≥ 6.5
	Compressive strength	3 days	≥ 16.0	≥ 19.0	≥ 11.0	≥ 19.0
		28 Days	≥ 32.5	≥ 38.0	≥ 32.5	≥ 38.0

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