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SANS 50197-1 NOTATION	PORTLAND CEMENT	
MANUFACTURED IN SABS ISO 9001:2008 PLANT AT:	NPC NEWCASTLE	
SPECIFICATION:	SANS 50197-1	
SANS 50197-1 DESCRIPTOR:	CEM II/B-S 42,5N	
PACKAGING:	Bulk	
AVAILABILITY:	On Application	
APPLICATION:	<p>General purpose application. Concrete, mortar, plaster, screeds, concrete product manufacture, grouts, shotcrete, DIY applications.</p>	
SPECIALIST APPLICATION:	<p>Cement based products where good early strengths are required.</p> <p>Structures with special durability requirements e.g. coastal & marine structures; sewage works; water retaining structures; pure water applications.</p> <p>Soil stabilization, massive structures where heat of hydration is of concern.</p> <p>Concrete with aggregates that are reactive to alkalis.</p>	
	TYPICAL RESULT	SPECIFICATION REQUIREMENT
SETTING TIMES: INITIAL: minutes	135	60 minimum
SOUNDNESS: Le Chatelier Expansion (mm)	1	10 maximum
TYPICAL COMPRESSIVE STRENGTHS (MPa) (Mortar prisms determined in accordance with EN 196-1) 2 Days 7 Days 28 Days	 ± 19 - ± 48	 10 minimum No requirement ≤42,5 ≤62,5
RELATIVE DENSITY	3,07	No requirement