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|---|--|---|
| <b>SANS 50197-1 NOTATION</b>  | <b>PORTLAND CEMENT</b>   |   |
| <b>MANUFACTURED IN SABS<br/>ISO 9001:2008 PLANT AT:</b>   | <b>NPC DURBAN</b>  |   |
| <b>SPECIFICATION:</b>   | <b>SANS 50197-1</b>  |   |
| <b>SANS 50197-1 DESCRIPTOR:</b>   | <b>CEM II/A-S 42,5N</b>  |   |
| <b>PACKAGING:</b>   | <b>Bulk</b>  |   |
| <b>AVAILABILITY:</b>  | <b>On Application</b>  |   |
| <b>APPLICATION:</b>   | <p><b>General purpose application.</b><br/> <b>Concrete, mortar, plaster, screeds, concrete product manufacture, grouts, shotcrete, DIY applications.</b></p>  |   |
| <b>SPECIALIST APPLICATION:</b>  | <p><b>Cement based products where good early strengths are required.</b></p> <p><b>Structures with special durability requirements e.g. coastal &amp; marine structures; sewage works; water retaining structures; pure water applications.</b></p> <p><b>Soil stabilization, massive structures where heat of hydration is of concern.</b></p> <p><b>Concrete with aggregates that are reactive to alkalis.</b></p> |   |
|   | <b>TYPICAL RESULT</b>  | <b>SPECIFICATION REQUIREMENT</b>                        |
| <b>SETTING TIMES:</b><br>INITIAL: minutes   | 135  | 60 minimum  |
| <b>SOUNDNESS:</b><br>Le Chatelier Expansion (mm)  | 1  | 10 maximum  |
| <b>TYPICAL COMPRESSIVE STRENGTHS (MPa)</b><br><br>(Mortar prisms determined in accordance with EN 196-1)<br><br>2 Days<br>7 Days<br>28 Days | <br><br><br>± 21<br>-<br>± 50  | <br><br><br>10 minimum<br>No requirement<br>≤42,5 ≤62,5 |
| <b>RELATIVE DENSITY</b>   | 3,07   | No requirement  |