PRODUCT DATASHEET

PPC SURECEM 32,5 N CEMENT

PPC's SURECEM 32,5 N CEMENT IS A GENERAL PURPOSE CEMENT THAT IS IDEAL FOR CONCRETE, MORTAR, PLASTER AND BRICK MANUFACTURING.

Product Description

SURECEM 32,5 N is a general purpose cement made by PPC. It is made from high quality raw materials. Clinker is inter-ground with gypsum and an appropriate amount of extender.

Applications

Typical applications are concrete, mortar, plaster and brick manufacturing.

SURECEM 32,5 N cement is a tried and tested product that has been engineered to achieve consistent and appropriate performance. The formulation of the product has been optimised for a broad range of applications, whilst maintaining the appropriate levels of quality. It is compatible with commercial chemical admixtures. This cement should not be blended with supplementary cementitious materials such as fly ash and GGBS without advice from PPC.

Specification

This cement complies with the 32,5 N strength class of SANS 50197-1 for common cements and is identified as:

- Composite cement CEM V/A (S-V) 32,5 N (Meyerton)
- Portland-limestone cement CEM II/B-L 32,5 N (Dwaalboom, Slurry, Riebeeck, De Hoek & Botswana)
- Portland-composite cement CEM II/C-M (L-S) 32,5 N (Harare, Bulawayo)
- Pozzolanic cement CEM IV/B (V) 32,5 N (Highveld)
- Portland-composite cement CEM II/B-M 32,5 N (Port Elizabeth)

Storage

Cement bags are not weatherproof and should be stored under cover, on the ground, on raised timber platform or on plastic sheeting to protect against rising damp. Bags should be stacked to a maximum height of 12 bags or two pallets. Usage of bags should be first in first out.

Handling and Safety

Refer to PPC Safety Data Sheet at **www.ppc.africa**

Technical Information

Typical technical data is supplied on the next page. Further technical information can be obtained from the PPC Cement office on (0800) 236 368.

PPC has comprehensively equipped cement chemistry and concrete laboratories and can supply specific information and assistance regarding cement and concrete technology.

Typical Properties

Chemical Properties	Typical results	SANS 50197-1 requirements
Sulphur trioxide: % by mass	2,1	≤ 3,5%
Chlorides: % by mass	≤ 0,01	≤ 0,1%

Physical Properties	Typical results	SANS 50197-1 requirements
Setting times: Initial: minutes	150	≥ 75 minutes
Soundness: Le Chatelier Expansion (mm)	1	≤ 10
Typical mortar prism results determined in accordance with EN 196-1: Compressive strength at 7 days (MPa) Compressive strength at 28 days (MPa)	 ± 23 ± 38	 ≥ 16,0 ≥ 32,5 ≤ 52,5
Densities: Relative density Bulk density, aerated: kg/m³ Bulk density, as packed: kg/m³	3,04 1100 - 1300 1500	
Approximate Volume: 50 kg bag, ℓ	± 33	

Please contact our sales office if actual figures are required.

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IMPORTANT NOTE:

The information and/or specifications contained herein are given in good faith as being true and accurate but no liability is accepted by PPC, its employees, distributors, representatives or agents, for any loss or damage, direct or indirect, resulting from using the information, following the specifications or adopting recommendations and/or suggestions as actual conditions of use are beyond its control.

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