

PRODUCT DATASHEET

PPC SUREBUILD 42,5 N CEMENT



PPC

SUREBUILD IS A PREMIUM GENERAL PURPOSE CEMENT THAT IS IDEAL FOR GENERAL BUILDING OPERATIONS, STRUCTURAL CONCRETE AND THE MANUFACTURE OF CEMENT-BASED PRODUCTS.

Product Description

SUREBUILD is a premium quality cement made from high quality clinker, and an appropriate amount of extender.

Applications

Typical applications are concrete, mortar, plaster, masonry products, paving, precast products, grouts, shotcrete and other general home and DIY applications.

SUREBUILD is a tried and tested product that has been engineered to achieve a consistent and appropriate performance. SUREBUILD is compatible with commercial chemical admixtures.

Specification

SUREBUILD conforms to the 42,5 N strength class of SANS 50197-1 for common cements and, depending on source factory, is identified as one of:

- Portland-limestone cement CEM II/A-L 42,5 N
- Portland-limestone cement CEM II/B-L 42,5 N
- Composite cement CEM V/A (S-V) 42,5 N
- Pozzolanic cement CEM IV/B-V 42,5 N

Storage

Bulk storage silos should be inspected on a regular basis to ensure that the inspection hatch seal is watertight and filters are clean and unblocked.

Cement bags are not weatherproof and should be stored under cover, off the ground, on a 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 below. Further technical information can be obtained from the PPC Cement sales 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.

Availability

SUREBUILD is available throughout South Africa, Botswana and Zimbabwe. Please contact your local sales office for further details.

Typical Properties

Chemical Properties	Typical results	SANS 50197-1 requirements
Sulphur trioxide: % by mass	2,1	≤ 3,5%
Chlorides: % by mass	≤ 0,01	≤ 0,10%

Physical Properties	Typical results	SANS 50197-1 requirements
Setting times: Initial: minutes	230	≥ 60 minutes
Compressive strength: At 2 days (MPa) At 28 days (MPa)	20 > 45	≥ 10,0 ≥ 42,5 ≤ 62,5
Soundness: Le Chatelier Expansion (mm)	1	≤ 10
Densities: Relative density Bulk density, aerated, kg/m ³ Bulk density, as packed, kg/m ³	3,08 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:

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