

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 which is available throughout South Africa, Botswana and Zimbabwe and is made from high quality clinker, and an appropriate amount of extender.

Applications

SUREBUILD is a premium quality cement. 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:

CEM II/A 42,5 N
CEM II/B 42,5 N

"CEM II/A" denotes an extender content between 6 and 20%

"CEM II/B" denotes an extender content between 21 and 35%

Extenders used in the manufacture of SUREBUILD include limestone (denoted "L"), fly ash (denoted "V"), and blastfurnace slag (denoted "S"). Blends of two or more of the above extenders are denoted "M".

Examples: SUREBUILD CEM II/B-M(V-S) 42,5 N
SUREBUILD CEM II/A-L 42,5 N

Storage

Cement bags are not weatherproof and should be stored indoors, tightly packed together under cover, off the ground to a maximum height of 12 bags.

Handling and Safety

Refer to the PPC Cement Material Safety Data Sheet, obtainable from PPC Cement or the PPC website.

Availability

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

Technical Information

Typical technical data is supplied below. Further technical information can be obtained from the PPC Cement help line, toll-free, on 0800236368 (SA only).

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

Typical Properties

Physical Properties	Typical SUREBUILD results	SANS 50197-1 requirements
Setting times: Initial: minutes Final: hours	165 3,5	60 minimum No requirement
Specific Area (Blaine): m ² /kg	± 400	No requirement
Compressive strength (mortar prism EN 196-1): At 2 days (MPa) At 28 days (MPa)	20 > 45	>10,0 >42,5 <62,5
Soundness: Le Chatelier Expansion (mm)	1	10 maximum
Densities: Relative density Bulk density, aerated, kg/m ³ Bulk density, as packed, kg/m ³	3,05 1100 – 1300 1500	
Approximate Volume: 50 kg bag, ℓ	± 33	

Please contact our sales office if actual figures are required.

Contact details are provided below:

JOHANNESBURG

Eastgate 20 (Corner Crayston Drive and Katherine Street 148),
Sandton, 2196
Tel: 011 386 9000

CAPE TOWN

Corner of Chain Ave & Montague Drive,
Montague Gardens, Milnerton
Tel: 021 550 2100

GEORGE

13 Saagmeul Street,
George Industrial, George
Tel: 044 871 3024

NELSPRUIT

Corner of De Villiers and Annecke Streets,
Sonpark, Nelspruit
Tel: 013 741 4140

PIETERMARITZBURG

First Floor, Hayfields Mall,
Pietermaritzburg
Tel: 033 386 6171

POLOKWANE

79 Biccard Street, Domus Building,
Polokwane, 0699
Tel: 015 297 2503

PORT ELIZABETH

Fergusson Road, Off Old Grahamstown Road,
Deal Party
Tel: 041 486 2272/3

PPC BOTSWANA

Plot 22034, Takatokwane Way,
Gaborone West
Tel: (267) 390 1553

RUSTENBURG

255A Beyers Naude Drive,
Rustenburg
Tel: 014 597 0100

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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