

PRODUCT DATASHEET

PPC SURETECH 52,5 N CEMENT



PPC

SURETECH IS A SUPERIOR HIGH STRENGTH CEMENT THAT IS IDEAL FOR HIGH PERFORMANCE IN SPECIALIST APPLICATIONS.

Product Description

SURETECH is a premium 52,5 N Portland cement ideal for a broad range of applications in the construction and concrete product manufacturing industries where high early and final strengths are required.

Applications

SURETECH has been formulated to enable users to produce cost effective concrete and concrete products. Applications include concrete, grouts, precast products, shotcrete, ready mixed concrete, masonry products and specialist applications.

SURETECH is ideal for blending with extenders such as fly ash and GGBS. SURETECH is compatible with commercial chemical admixtures.

Specification

SURETECH conforms to the 52,5 N strength class of SANS 50197-1 for common cements and, depending on source factory, is identified as:

- Portland cement CEM I 52,5 N
- Portland-limestone cement CEM II/A-L 52,5 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

SURETECH is available throughout South Africa and Botswana.

Please contact your local sales office for further details.

Typical Properties

Chemical Properties	Typical results	SANS 50197-1 requirements
Insoluble residue: % by mass	2,0	≤ 5,0
Sulphur trioxide: % by mass	2,0	≤ 4,0
Loss on ignition: % by mass	2,5	≤ 5,0
Chlorides: % by mass	< 0,01	≤ 0,10

Physical Properties	Typical results	SANS 50197-1 requirements
Setting times: Initial: minutes	170	≥ 45 minutes
Compressive strength (mortar prism SANS 50196-1): At 2 days (MPa) At 28 days (MPa)	28 ± 58	≥ 20,0 ≥ 52,5
Soundness: Le Chatelier Expansion (mm)	1	≤ 10
Densities: Relative density Bulk density, aerated, kg/m ³ Bulk density, as packed, kg/m ³	± 3,14 1100 – 1300 ± 1500	
Approximate Volume: 50 kg bag, ℓ	± 33	

Please contact our sales office if actual figures are required.

CONTACT US:

JOHANNESBURG

5 Parks Boulevard,
Oxford Parks, Dunkeld,
Johannesburg, 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
Tel: 044 871 3024

PPC BOTSWANA

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

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.

Visit our website at: www.ppc.africa



PPC