

PRODUCT DATASHEET

PPC SUREWALL 22,5 X CEMENT



PPC

PPC's SUREWALL 22,5 X CEMENT IS A MASONRY CEMENT DESIGNED TO ENHANCE THE PERFORMANCE OF MORTAR AND PLASTER MIXES.

Product Description

SUREWALL 22,5 X is a masonry cement made by PPC from high quality raw materials. Clinker is inter-ground with gypsum and an appropriate amount of limestone extender.

Applications

SUREWALL masonry cement is ideal for mortar and plaster applications and improves the following properties of fresh mortar and plaster:

- Workability
- Cohesiveness
- Water retention

In hardened plaster it reduces cracking and crazing and improves the surface finish.

NOTE: DO NOT USE FOR CONCRETE APPLICATIONS.

Specification

SUREWALL complies with the 22,5 strength class of SANS 50413-1 for masonry cements and is identified as:

- MC 22,5 X

Where "MC" denotes Masonry Cement, "22,5" denotes the 22,5 MPa strength class, and "X" denotes that the product does not contain an air-entraining agent.

Storage

Cement bags are not weatherproof and should be stored under cover, off the ground, on raised timber platform or on plastic sheeting to protect against rising dampness. 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.co.za

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 chemical, cement and concrete laboratories and can supply specific information and assistance regarding cement and concrete technology.

Typical Properties

Chemical Composition	Typical Test Results	SANS 50413-1 requirements
Sulphur trioxide: % by mass	2,1	3,5% maximum
Chlorides: % by mass	≤ 0,01	0,1% maximum

Physical Properties	Typical Results	SANS 50413-1 requirements
Setting times: Initial: minutes Final: hours	180 3,5	≥ 60 minutes 15 hours max. if initial set > 6 hours
Specific Area (Blaine): m ² /kg Fineness: Residue on 90 μm screen %	400 10 - 12	No requirement 15% max
Air content: % by volume	3	≤ 6
Water retention: % by mass	80	≥ 75
Typical mortar prism results determined in accordance with EN 196-1: Compressive strength at 7 days (MPa) Compressive strength at 28 days (MPa)	± 20 ± 30	≥ 10,0 ≥ 22,5 ≤ 42,5
Soundness: Le Chatelier Expansion (mm)	0	10 maximum
Densities: Relative density Bulk density, aerated, kg/m ³ Bulk density, as packed, kg/m ³	3,00 1300 1500	
Approximate Volume: 50 kg bag, ℓ	± 33	


Please contact our sales office if actual figures are required.

Contact

For sales queries or more information, contact 0800 236 368 or visit www.ppc.co.za

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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