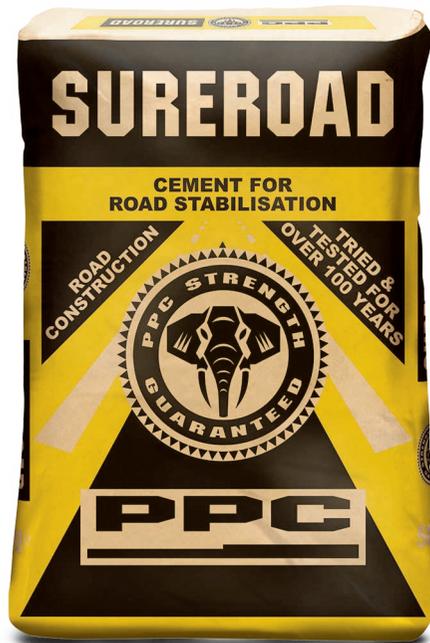


PRODUCT DATASHEET

PPC SUREROAD 32,5 N CEMENT



PPC

SUREROAD GIVES SUPERIOR PERFORMANCE IN ROAD STABILISATION APPLICATIONS. THE ADDITION OF TWO TO THREE PER CENT OF THE CEMENT TO THE SUBSTRATE MATERIAL WILL INCREASE ITS STRENGTH AND IMPROVE DURABILITY.

Product Description

SUREROAD is a portland-composite cement that is ideal for the construction of cement-stabilised layers for roads. SUREROAD is a CEM II 32,5 N cement, manufactured with the addition of an extender or blend of extenders (fly-ash, blastfurnace slag and/or limestone). The mineral constituents are carefully selected and the composition optimised to produce an excellent road-stabilisation cement.

Applications

PPC SUREROAD 32,5 N cement has been engineered to improve the properties of materials by:

Reducing the plasticity index (PI);
Improving the Unconfined Compressive Strength (UCS) and Indirect Tensile Strength (ITS) of the host materials; and Enhancing durability and achieving superior performance with most road construction materials.

Performance testing shows excellent performance with soil classes G5 and G6, and for road strength classes C3 and C4. To determine the optimum SUREROAD addition rate with site-specific soils, the UCS (MPa) and ITS (MPa) should be tested for a range of cement addition rates.

Specification

SUREROAD is manufactured to conform to SANS 50197-1 for Common Cements, in the 32,5 N strength class and is available as a CEM II Portland-composite cement, extended with siliceous fly ash (V), blastfurnace slag, (S) and/or limestone (L).

Storage

Cement bags are not weatherproof and should be stored undercover, off the ground to a maximum height of 12 bags or 2 pallets.

Handling and Safety

Refer to a detailed PPC Cement Safety Data Sheet, available from the regional PPC Sales Offices or the PPC website.

Availability

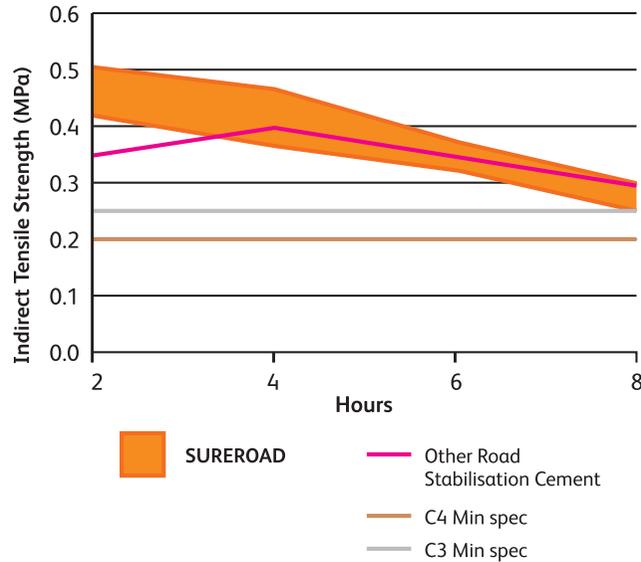
SUREROAD is available throughout South Africa. Please contact your local sales office for further details.

Technical Information

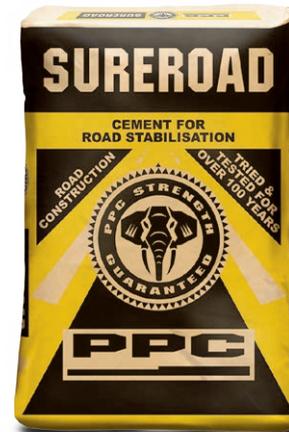
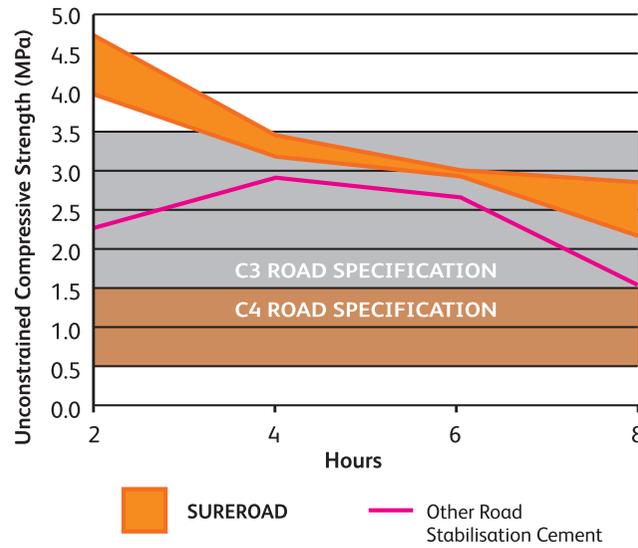
Typical technical data is shown below. Additional technical data can be obtained from the regional PPC Sales Offices. PPC has comprehensively equipped chemical, cement and concrete laboratories and can supply specific information and assistance regarding cement and road stabilisation applications.

Typical Performance

Indirect Tensile Strength (ITS)
3% PPC SUREROAD CEM II Addition to G5 Soil Type
- C3 & C4 Road Strength Class



Unconfined Compressive Strength (UCS)
3% PPC SUREROAD CEM II Addition to G5 Soil Type
- C3 & C4 Road Strength Classes



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