



RoadCem

DATA SHEET
Portland 32,5N cement



RoadCem offers road project contractors a choice of reliable, quality performance products, which provide the optimum solution to their soil stabilisation requirements.

COMPOSITION

- **RoadCem:** CEM II/B-M (V-S) 32,5N (Randfontein)
- **RoadCem:** CEM II/B-L 32,5N (Lichtenburg)
- **RoadCem** products are specialised cementitious binders designed to meet the needs of a wide range of road stabilisation projects. To achieve the optimum solution, two standard grades of **RoadCem** are produced with different compositions:
 - Randfontein formulates the CEM II/B-M (V-S) 32,5N from Portland cement clinker, siliceous fly ash and Ground Granulated Blast Furnace Slag ('slag')
 - Lichtenburg Cement Works produces the CEM II/B-L 32,5N grade from Portland cement clinker and limestone. Laboratory soil evaluation (a service available from the Lafarge QDSA laboratory) will determine the composition and application rates best suited for a particular soil

QUALITY

- RoadCem complies with the chemical and physical requirements of SANS 50197 (EN197) for CEM II 32,5N cements



PHYSICAL PROPERTIES

| Property | RoadCem* CEM II/B-M (V-S) 32,5N | RoadCem* CEM II/B-L 32,5N | EN Spec. requirement |
|-----------------------------|------------------------------------|------------------------------|--------------------------|
| 7 day Compressive strength | 23,0 MPa | 25,0 MPa | ≥ 16,0 MPa |
| 28 day Compressive strength | 42,0 MPa | 39,0 MPa | ≥ 32,5 MPa ≤ 52,5 MPa |

*Average test results

CHEMICAL PROPERTIES

| Property | RoadCem* CEM II/B-M (V-S) 32,5N | RoadCem* CEM II/B-L 32,5N | EN Spec. requirement |
|-----------------|------------------------------------|------------------------------|-------------------------|
| SO ₃ | 2,30% | 2,10% | ≤ 3,5% m/m |
| Cl | 0,02% | 0,02% | ≤ 0,10% m/m |

APPLICATIONS

Lafarge soil stabilising cements are designed to provide optimal solutions for improving the engineering properties of soil:

- Strength and bearing capacity are increased
- Better volume stability by controlling swell and shrinkage - Better durability
- Modification of clay minerals enhances soil strength and bearing capacity

RoadCem is suitable for:

- Stabilisation of road base, sub-base and sub-grade materials and ash dumps
- Soils with either low or moderate plasticity (it is especially suited to granular type materials with a lower PI)
- In situ (including deep lift) stabilisation or pugmill blending
- Selection of the most suitable cement type depending on the soil type can be validated using laboratory trials offered by QDSA

TECHNICAL SUPPORT

RoadCem is fully supported by the unique technical and laboratory resources of QDSA.

QDSA operates one of the largest and most respected SANAS Accredited Civil Engineering testing facilities in South Africa. Complying with ISO/IEC 17025, the facility has a proud 18 year track record of continuous accreditation.

SAFETY

Take note of the Health & Safety warnings on the back of the Roadcem bag. For further information, Safety Data sheets are available from :

- Your local building materials supplier
- Lafarge Customer Service Centre 0860 109 275
- Lafarge website: www.lafarge.co.za

ORDERING

You can place your Roadcem cement order via our Customer Service Centre by contacting **011 657 1010** or **011 657 1111**, or via your local Lafarge Sales representative.

- If you have registered to use the Lafarge Customer Portal, ordering cement can be done at your convenience, 24 hours a day, 365 days a year
- Be sure to speak to your Sales Representative or Customer Service Agent for further information

CONTACT US

For further information on Roadcem please contact us:

- Toll-free: 0860 109 275
- Customer Service Centre: 011 657 1010



Lafarge South Africa
35 Westfield Road
Longmeadow Business Estate Ext 11
Edenvale, 1609
Tel: 0860 LAFARGE / 0860 523 274
or 0861 LAFARGE / 0861 523 274
Main fax: 086 631 0006
www.lafarge.co.za

