



## VIACEM 32.5N

### Technical Data Sheet

**QUALITY:** VIACEM 32.5N complies with the chemical and physical requirements of EN 197-1 for class 32.5.

Cement Type	Naming	Clinker (%)	Limestone (%)	Gypsum (Calcium Sulphate Hydrated) (%)
CEM II/ B-L 32.5N	Portland Limestone Cement	65-79	21-35	0-5

#### Technical parameter CEM II/ B-L 32.5N

##### Physical Properties:

Property	VIACEM 32.5N Average	EN 197-1 32.5N
Setting Time (min)	120	>75
Soundness (mm)	2	<=10

##### Chemical Properties:

Property	VIACEM 32.5N Average %	EN 197-1 32.5N %
Sulphate Content (SO <sub>3</sub> )	1.10	<=3.5
Chloride Content (Cl <sup>-</sup> )	0.03	<=0.1

##### Mechanical Properties:

Property	VIACEM 32.5N Average MPA	EN 197-1 32.5N MPA
Compressive Strength 7 Day	>23	>=16.0
Compressive Strength 28 Day	>35	>=32.5

#### Special features of concrete made with this cement:

- Good strength at all standard ages;
- Wide range of uses and high performance even in moderate aggressive environments;
- Good workability;

#### Recommended applications:

- Reinforced concrete:
  - ✓ Strength classes in the range of C08/10 to C20/25.
- Road pavements:
  - ✓ Soil stabilisation;
  - ✓ Bound granular base layers;
  - ✓ Concrete surface layers;
  - ✓ Unreinforced concrete;
  - ✓ General propose grout;
  - ✓ Brickworks.

#### IMPORTANT NOTICE:

The information contained in this technical data sheet is for general guidance only and should not be relied upon in specific instances. Cement performance results quoted are indicative as cement performance can be heavily influenced by a wide range of factors beyond our control.

**CONTACT US:** For further information on VIACEM 32.5N | Tel: +258 87 100 1462 | E-mail: info@cdb.co.mz | Skype: cimentosdabeira |

Visit our website: [www.cdb.co.mz](http://www.cdb.co.mz)

*This data sheet was published February 2023. With the publication of this technical data sheet earlier technical data sheet cease to be valid.*

#### STRENGTH - THE IMPORTANCE OF "N":

- ✓ The "N" designation indicates that a 32.5N class will achieve a 7-day strength of greater than 16MPa according to EN 197-1 specification;
- ✓ The "N" designation indicates that a 32.5N class will exceed 32.5MPa after 28 days of strength development according to specification of EN 197-1.
- ✓ "N" designation refers to a class with ordinary strength development.

#### ORDERS:

You can place your VIACEM 32.5N cement order via our Customer Service:

Tel: +258 87 100 1462

E-mail: [sales@cdb.co.mz](mailto:sales@cdb.co.mz)

#### AVAILABILITY AND DELIVERY:

- 2 ton euro pallet (100Wx120Lx13H) cm, consisting of 40 bags of 50Kg each covered with an industrial plastic wrapping (on request).

#### PRECAUTION REGARDING THE USE:

- Avoid placing concrete under low temperatures;
- Provide adequate protection and cure according to correspondent standard;
- Follow the standard minimum cement content and maximum water/cement ratio.

#### NOT RECOMMENDED:

- Under aggressive environment (acidic environment with pH ≤ 4), strictly follow standard recommendations and technical information about the subject;
- Non-prestressed concrete.

#### ENVIRONMENT AND SAFETY:

- Before starting any job, make safety the first step in your planning;
- Use proper protective clothing, gloves and eye/ face protection equipment;
- The production of this cement represents a CO<sub>2</sub> emissions reduction;
- For further information consult our Safety Data Sheet.