

ULTRACEM 52,5 N

Technical data sheet

QUALITY:

ULTRACEM 52,5N complies with the chemical and physical requirements of EN 197-1 for Class I 52,5N cement.

Brand name	Classification	Strength class
ULTRACEM	CEM I 52.5 N	52.5 MPa

Technical parameter CEM II 52,5

Physical properties:

Property	ULTRACEM (Typical)	EN 197-1
Sulphate (SO ₃ ⁻)	<3.0%	<3.5%
Chloride (Cl ⁻)	<0.05%	<=0.10%

Chemical properties:

Property	ULTRACEM (Typical)	EN 197-1
Sulphate content (SO ₃ ⁻)	<3.0%	<3.5%
Chloride content (Cl ⁻)	<0.05%	<=0.10%

Mechanical properties:

Property	ULTRACEM (Typical)	EN 197-1
Compressive strength 2 d	>23	>10
Compressive strength 28 d	>59	>52.5

EARLY STRENGTH - THE IMPORTANCE OF "R":

The "R" classification indicates that ULTRACEM 32,5R will achieve an early strength at 2 days \geq 10 MPa in accordance with the EN 197-1 specification. (CdB typical 23 MPa after 7 days)

("N" designation refers to a class that will achieve 16 MPa but after 7 days of strength development).

ORDERS:

You can place your ULTRACEM 52,5N cement order via our Customer Service by contacting **84 560 99 03** or by e-mail: sales@cdb.co.mz

Special features of concrete made with this cement:

- Very high early strength development;
- Very high strength at all standard ages;
- Selected range of uses with high performance even in moderate aggressive environments;
- Fair workability.

Recommended applications:

- **Reinforced concrete:**
 - high strength classes, especially those in the range of C30/35 to C50/55;
 - Rapid construction with quicker stripping of formwork;
 - structural precasted elements that bear;
 - Precast structures – quicker demoulding.
- **Roads:**
 - concrete surface layers;
 - unreinforced concrete;
 - general propose grout;
 - brickworks.

AVAILABILITY AND DELIVERY:

- 2 ton euro pallet (120x100x130) cm, made of 40 bags of 50kg each;
- Bulk, 30 ton trucks self discharge.

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, strictly follow standard recommendations and technical information about the subject;
- 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 equipments;
- The production of this cement represents a CO₂ emissions reduction;
- For further information consult our Safety Data Sheet.

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.

Users should rely on professional advice according to their particular circumstances. To the extent permissible by law Cimentos da Beira will not be liable for any losses due to reliance on the information in this sheet or for losses due to the misuse of its products.

CONTACT US:

For further information on ULTRACEM 52,5N please contact us: cel: 84 560 99 03
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With the publication of this technical data sheet earlier technical data sheet cease to be valid.