CIMPOR

PRODUCT DATA SHEET

WHITE PORTLAND CEMENT

CEM I 52,5 R (wh)

CE

EN 197-1 0856

Constituents

Clinker ≥ 95%
Additional minor constituents ≤ 5%
Calcium sulfate as setting regulator

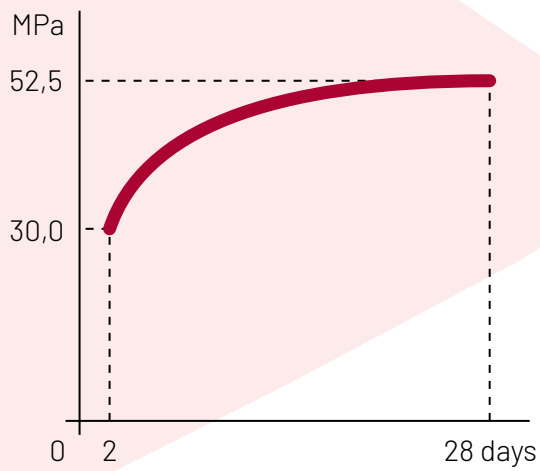
Requirements

- **Chemical**
  Loss on ignition (L.O.I.) ≤ 5,0%
  Insoluble residue (I.R.) ≤ 5,0%
  Sulfate content (SO_3) ≤ 4,0%
  Chloride content (Cl^-) ≤ 0,10%

- **Physical**
  Initial setting time ≥ 45 min
  Soundness ≤ 10 mm

- **Mechanical**
  Compressive strength
  Minimum values
  2 days: 30,0 MPa
  28 days: 52,5 MPa

Compressive strength
Minimum growth curve



Especial features of concrete made with this cement

- White or coloured concrete with high architectural performance
- Very high strength development
- Very high strength at all standard ages
- Smooth surfaces in precast elements
- High workability

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Recommended for

- **Apparent reinforced concrete**
  White or coloured concrete with high architectural performance and high strength
- **Precast**
  High productivity of heavy and light structural elements
- **Industrial mortars**
  Dry mortars and cement-adhesives
- **Cement-based paints**

Packaging and Delivery

30 ton truck with self discharge means and properly sealed

Bulk
±30 tonnes

For exportation purpose, please contact our Sales Department

Precautions regarding use

- In apparent concrete, with high architectural performance, to ensure a uniform appearance: pay attention to the water/cement ratio, aggregate quality, etc. during the mix design
- Ensure especial care in manufacturing, transport time, and application (homogeneity of mixing, concreting phasing, framework quality, framework removal, etc.)
- Provide adequate protection and cure according to correspondent standards and aesthetic requirements
- Placing concrete under hot weather and high mass concretes
- Ensure the use of aggregates that promote the desired color tone

Environment and Safety

- Wear proper protective clothing, gloves and eye/face protection equipment
- For more information, check the Safety Data Sheet, available at www.cimpor.com

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