Pozzolanic Cement

CP-CEM IV/B-Q 32,5 N

TS EN 197-1

Main Constituents

45% ≤ Clinker ≤ 64%
36% ≤ Natural calcined pozzolana ≤ 55%
Setting time regulating calcium sulfate

Characteristics

Chemistry

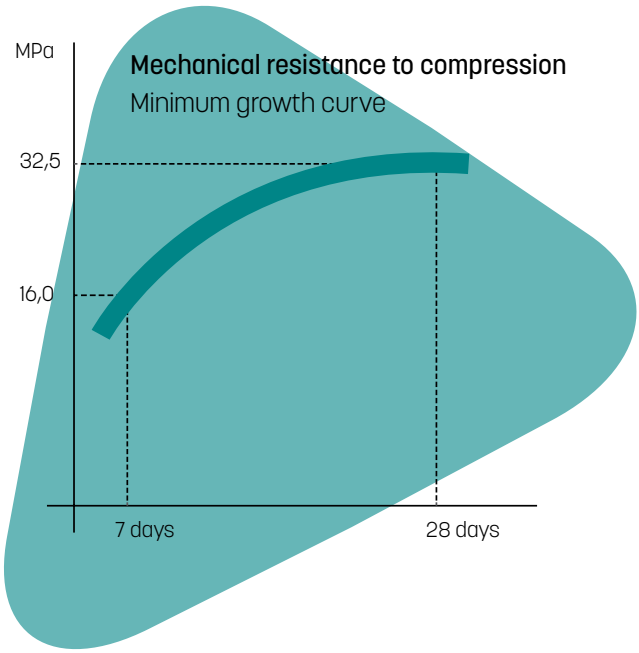
Sulfur Trioxide (SO_3) ≤ 3,5%
Chloride (Cl) ≤ 0,10%
Satisfies the Pozzolanicity Test

Physical

Initial Setting Time (min) ≥ 75
Soundness (mm) ≤ 10

Mechanics

Compressive strength
Minimum values
7 days: 16,0 MPa
28 days: 32,5 MPa ≤ 28 days ≤ 52,5 MPa



Special properties of concrete manufactured with this cement

- Concretes requiring lower heat of hydration.
- Slow strength development at an early age.
- High workability.
- Particularly suitable for XC Exposure Classes.

Recommended uses

- Reinforced concrete
  Available for all classes from C12/15 to C25/30.
- Prefabrication
  Masonry blocks and dome in lightweight concrete Artefacts.
- Road pavements.
- Base and sub-base layers in poor concrete.
- Simple concrete for general use foundations and elevations.
- Mass concrete.

Environment and Safety

- Wear suitable protective clothing, gloves and eye / face protection.
- The production of this cement represents a decrease in CO_2 emissions into the atmosphere.
- For more information, consult the Safety Data Sheet, available at www.cimpor-portugal.pt

Precautions in application

- Respect the minimum cement dosages and the maximum normative water / cement ratios.
- Ensure an adequate cure and protection according to the normative provisions.
- Do not remove formwork or remove shoring before the concrete has sufficient strength.
- In aggressive environments strictly follow the normative recommendations and technical texts on the subject.

Contraindications

- Concretes requiring early strength.
- Concretes under low temperatures.

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