

# Portland Composite Cement CPJ-CEM II/B-M (Q-L) 42,5 N

TS EN 197-1

## Main Constituents

 $65\% \le$  Clinker  $\le 79\%$ 21%  $\le$  Natural calcined pozzolana + Limestone  $\le 35\%$ Setting time regulating calcium sulfate

## Characteristics

#### Chemistry

Sulfate Content  $(SO_3) \le 3,5\%$ Chloride Content  $(CI) \le 0,10\%$ 

#### Physical

Initial Setting Time (min)  $\geq$  60 Soundness (mm)  $\leq$  10

#### Mécanique

Compressive strength Minimum values 2 days: 10,0 MPa 28 days: 42,5 MPa < 28 days  $\leq$  62,5 MPa





### Special properties of concrete manufactured with this cement

- Concretes requiring lower heat of hydration.
- ▶ High strength to 28 days.
- ▶ Wide range of uses and good behavior even in moderately aggressive environments.
- High workability
- Particularly suitable for XC Exposure Classes

#### Recommended uses

- Reinforced concrete Indistinctly indicated for all resistance classes with advantage in those from C20/25 to C40/50.
- Prefabrication Masonry blocks and dome in lightweight concrete Artefacts.
- Road pavements Base and sub-base layers in poor concrete Soil cement Wear layers
- Simple concrete for general use Injection syrups of general use
- Mass concrete
- All kinds of mortar

## Environment and Safety

- Wear suitable protective clothing, gloves and eye / face protection.
- ► The production of this cement represents a decrease in CO<sub>2</sub> 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.



#### SERVICE COMMERCIAL

Cimpor Cote d'Ivoire Zone Industrielle Akoupe, Zeudji PK 24 Zone des Cimentiers du Plan C Abidjan Cote d'Ivoire 00 (+225) 07 49 85 56 10 www.cimpor.ci