

POWERCEM

TS EN 197-1

Portland Composite Cement

CPJ - CEM II/A-M (Q-L) 42,5 R

► Portland Composite Cement

65% < Clinker < 79%
 21% < Calcined natural pozzolana
 + Limestone < 35%
 Setting time regulating calcium sulfate



► Technical Requirements

► Chemical

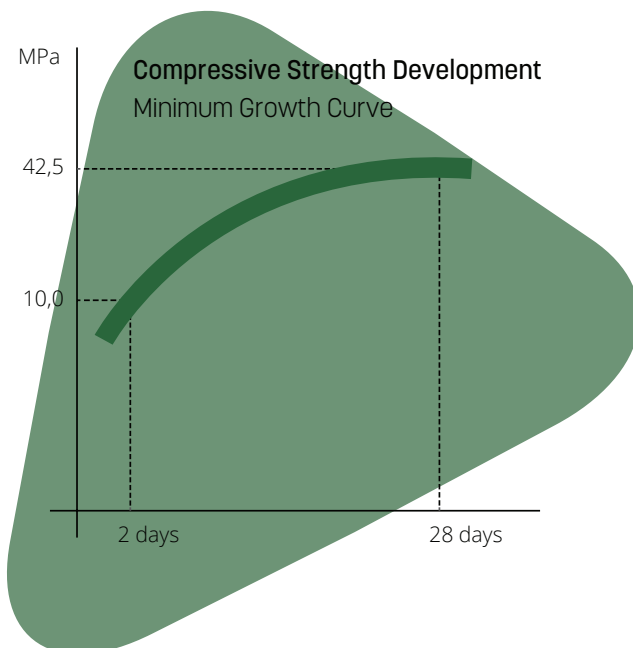
Sulfate (SO₃) < 3.5%
 Chloride (Cl) < 0.10%

► Physical

Initial Setting (min) > 60
 Soundness (mm) < 10

► Mechanical

Compressive Strength Development
 Minimum values
 2 days: 10.0 MPa
 28 days: 42.5 MPa < 28 days < 62.5 MPa



► Advantages of concrete produced with CEM II/A-M (Q-L) 42,5 R

- Low hydration heat
- High ultimate strength
- Wide range of usage in moderately aggressive environments.
- High workability
- Particularly suitable for XC exposure classes.

► Recommended Applications

- Ready – Mix Concrete
Suitable for the production of all comprehensive strength classes. It gives high performance especially in C20/25 to C40/50.
- Precast Production
Suitable for production of masonry blocks and lightweight concrete.
- Road Pavements
Suitable for concrete pavements for roads and wearing surfaces.
- General Use
All kinds of grout mortar, plaster and repair works.
- Mass concrete.
- All kinds of mortar.

► Environment, Safety and Storage

- Wear suitable protective clothing, gloves, eye and face protection equipment.
- Lower CO₂ emission into the atmosphere.
- For detailed safety information, please contact with our Sales Department.

► Precautions in Application

- Follow the standard minimum cement content and maximum water/cement ratio.
- Provide adequate protection and cure according to correspondent standards.
- Keep framework and scaffolding in place until adequate mechanical strength is obtained.
- Follow the correspondent standard and Specifications for aggressive environments.

► Not recommended for:

- Not suitable for ready-mixed concrete productions where early strength is critical.
- Not suitable for concrete production to be poured without any measures under cold weather conditions.



SALES DEPARTMENT

Cimpor Cameroon
BP: 543, PK3+700 Motorway Roundabout,
Lolabe Port Zone of
Kribi, Cameroon
(+237) 651 83 83 83
www.cimpor.cm