



CEM II/B-M(V-L)42.5R

CEMENT RECOMMENDED FOR CONCRETE AND
PREFABRICATED ELEMENTS

PACKED AND BULK

MAIN APPLICATIONS

- Mass concrete
- Reinforced concrete
- Structural prefabs
- Concrete for rapid removal of formwork, uncasing and demoulding
- Self-compacting concrete
- Concrete with alkali-reactive aggregates

MAIN USAGE RESTRICTIONS

- Reinforced and mass concrete in big volumes
- Emergency repair concrete

PRECAUTIONS

- Store in a watertight and dry place
- Store preferably for less than a month
- Take care of the dosage, mixing and curing to avoid desiccation
- Check temperature during mixing and curing in order to avoid shrinkage cracks during the first curing hours and the loss of rheology of fresh concrete
- Do not mix with gypsum or other type of cement

SPECIFICATIONS

- Specifications EN 197-1:2011

Constituents:

- Clinker: 65-79%
- Other main constituents: 21-35%
- Minor constituents: 0-5%

These values refer to the cement core excluding calcium sulphate or any other additive

Chemical requirements:

- Sulphates $\leq 4.0\%$
- Chlorides $\leq 0.10\%$

Mechanical requirements:

- Compression strength at 2 days ≥ 20.0 MPa
- Compression strength at 28 days ≥ 42.5 MPa ≤ 62.5 MPa

Physical requirements:

- Initial setting time ≥ 60 minutes
- Soundness ≤ 10 mm

