



## CEM I 52.5R

HIGH STRENGTH CEMENT RECOMMENDED FOR  
CONCRETE AND CONCRETE PREFABS

**BULK**

### MAIN APPLICATIONS

- High strength concrete
- Reinforced concrete
- Prestressed concrete and precast and prestressed structural elements
- Concrete for rapid removal of formwork, uncasing and demoulding
- Shotcrete
- Self-compacting concrete

### MAIN USAGE RESTRICTIONS

- Reinforced and mass concrete in big volumes
- Compacted dry concrete
- Concrete with alkali-reactive aggregates

### 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: 95-100%
  - Minor constituents: 0-5%
- These values refer to the cement core excluding calcium sulphate or any other additive*

### Chemical requirements:

- Loss on ignition  $\leq 5.0\%$
- Insoluble residue  $\leq 5.0\%$
- Sulphates  $\leq 4.0\%$
- Chlorides  $\leq 0.10\%$

### Mechanical requirements:

- Compression strength at 2 days  $\geq 30.0$  MPa
- Compression strength at 28 days  $\geq 52.5$  MPa

### Physical requirements:

- Initial setting time  $\geq 45$  minutes
- Soundness  $\leq 10$  mm