



BL I 52.5R

HIGH STRENGTH WHITE CEMENT

PACKED AND BULK

MAIN APPLICATIONS

- High strength concrete
- Reinforced concrete
- Prestressed concrete including structural prefabs
- Concrete for rapid removal of formwork, uncasing and demoulding
- Shotcrete
- Self-compacting concrete
- Mass concrete foundations
- Reinforced concrete foundations
- Quick emergency repair

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
- Avoid colour pollutants during the whole process and ensure a good cleaning of aggregates, formworks, etc.

SPECIFICATIONS

- CEM I 52.5R Specifications EN 197-1:2011
- BL I 52.5R Specifications UNE 80305:2011

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 ≥ 30.0 MPa
- Compression strength at 28 days ≥ 52.5 MPa

Physical requirements:

- Initial setting time ≥ 45 minutes
- Soundness ≤ 10 mm

Whiteness:

- $L^* \geq 85$