

Portland Cement

CPA - CEM I 42,5 R

TS EN 197-1

► Portland Cement

Clinker $\leq 95\%$
 Minor additional constituents $\leq 5\%$
 Calcium sulphate which regulates the setting time



► Technical Specifications

► Chemistry

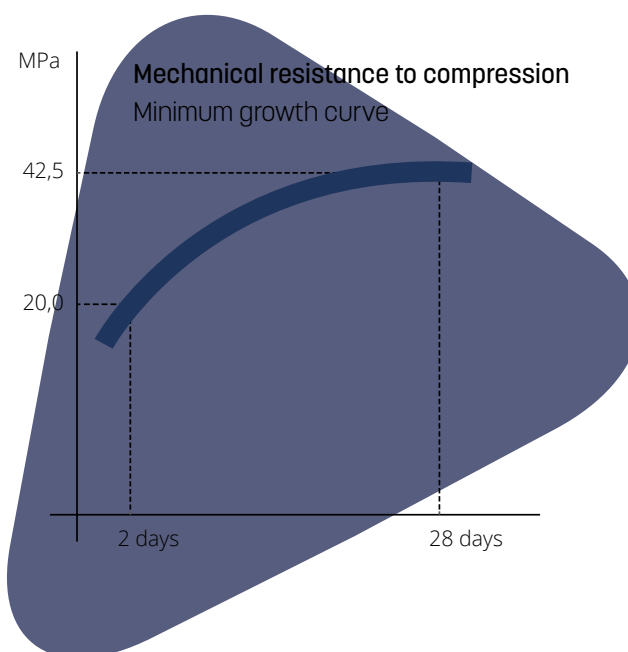
Fire loss (PF) $\leq 5,0\%$
 Insoluble residue (IR) $\leq 5,0\%$
 Sulphate (SO_3) $\leq 4,0\%$
 Chlorides (Cl) $\leq 0,10\%$

► Physical

Setting time (min) ≥ 60
 Solidity (mm) ≤ 10

► Mechanical

Compressive strength
 Minimum values
 2 days: 20.0 MPa
 28 days: 42.5 MPa



► Specific properties of concrete made from this cement

- Rapid development of resistance.
- High resistance to all periods.
- Particularly suitable for exposure classes XC.

► Recommended uses

- Reinforced concrete
Indistinctly indicated for all resistance classes with an advantage of high performance of C30/37 to C45/55 at 28 days.
- Prefabrication
Structural elements in reinforced and prestressed concrete.
- Road pavements
Concrete layers for high traffic roads.
- Mortar for general use.

► Environment and security

- Wear suitable protective clothing, gloves and eye/face protection.
If the cement bagged contains chromium (VI), then the shelf life will be two months as of date of bagging, provided that the storage conditions as specified on the packaging are met.
- For further information, please contact our sales department.

► Precautions in application

- Comply with the minimum doses of cement and the maximum ratio of water/cement.
- Ensure an adequate drying and protection in accordance with the normative provisions.
- Do not remove the formwork or shoring until the concrete becomes strong sufficiently.
- Avoid the long period of transport for ready-mixed concrete.
- Pour concrete in a hot and dry climate.

► Not recommended for

- Aggressive environments - water and soil.
- Mass concrete.
- Mortars for general use.



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