

CEM IV/B (V) 32,5 N-SR

UNE-EN 197-1



Recommended

- Constructions in mass or reinforced concrete in chemically aggressive environments
- Roller-compacted concrete
- Concrete with reactive aggregates
- Soil stabilisation, road bases and mass foundations

■ Contraindicated

- Prestressed concrete
- Concrete for rapid demoulding or removal of formwork or falsework
- Concrete for prefabricated prestressed structural elements

■ Precautions

- Care in storage
- Use high dosages and a low water/cement ratio
- Cure adequately and for an extended period, avoiding desiccation in the initial hardening period
- Avoid rapid removal of formwork

Available in bulk

TYPE CEM IV

August 2020



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UNE-EN 197-1: 2011

■ Components

- Clinker: 45 - 64% by mass.
- Fly ash: 36 - 55% by mass.
- Additional components: 0 - 5% by mass.

These values exclude the setting regulator and additives.

■ Physical properties

- Initial setting time ≥ 75 minutes.
- End of setting ≤ 12 hours, according to Spanish Cement Reception Instruction RC-16.
Not specified in Standard UNE-EN 197-1.
- Expansion: (Le Chatelier) ≤ 10 millimetres.

■ Chemical properties

- SO_3 : $\leq 3.0\%$
- Cl: $\leq 0.10\%$

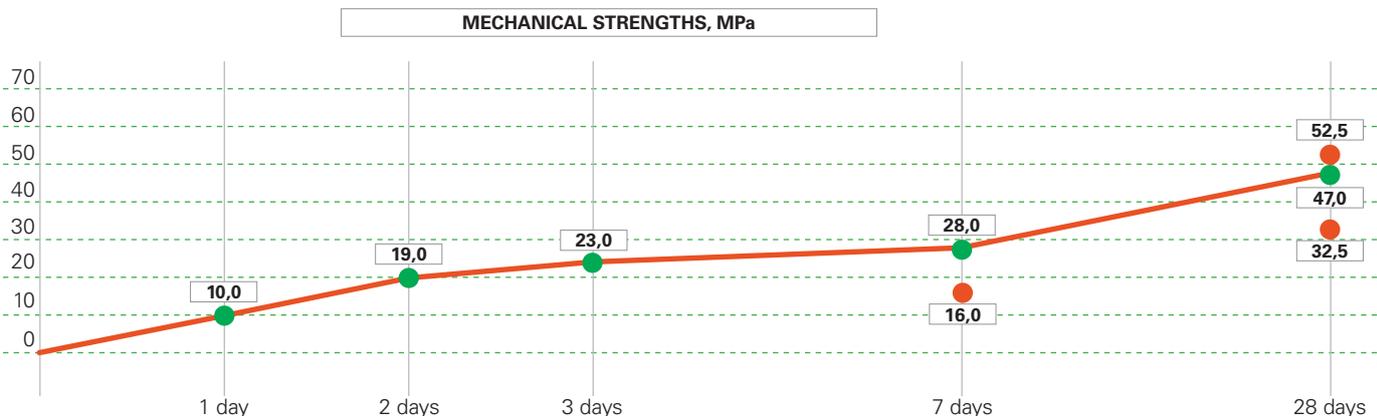
■ Mechanical properties

(Compressive strength in normalised mortar)

- 7 days: ≥ 16.0 MPa
- 28 days: ≥ 32.5 MPa.
 $\leq 52,5$ MPa.

■ Properties relative to clinker

- $C_3A \leq 9,0\%$



● Minimum standard

● CEM IV/B (V) 32,5 N-SR Average results obtained in Cementos Lemona

*The indicated average strengths are given solely as a guideline, and should not be considered as an additional warranty or different from the standard itself.