

CEM I 52,5 N-SR 5

UNE-EN 197-1: 2011



Recommended

- Constructions in mass, reinforced and prestressed concrete where high mechanical strength is required, subject to the action of sulphates from water or soil or to the action of sea water
- Constructions in high-strength prestressed and reinforced concrete
- Structural and non-structural prefabrication

Contraindicated

- Mass or reinforced concrete in large volumes
- Road bases treated with cement
- Compacted dry concrete

Precautions

- Care in storage, dosing, mixing and duration of concrete transport
- Pay special attention to curing at early stages
- Prevent fissuring during the first few hours

Available in bulk and in 25 kg bags

TYPE CEM I

August 2020



CEM I 52,5 N-SR 5

UNE-EN 197-1: 2011

■ Components

- Clinker: $\geq 95,0$ % by mass.
- Additional components: 0 - 5% by mass.

These values exclude the setting regulator and additives.

■ Physical properties

- Initial setting time ≥ 60 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

- LOI: $\leq 5,0$ %
- IR: $\leq 5,0$ %
- SO_3 : $\leq 3,5$ %
- Cl: $\leq 0,10$ %

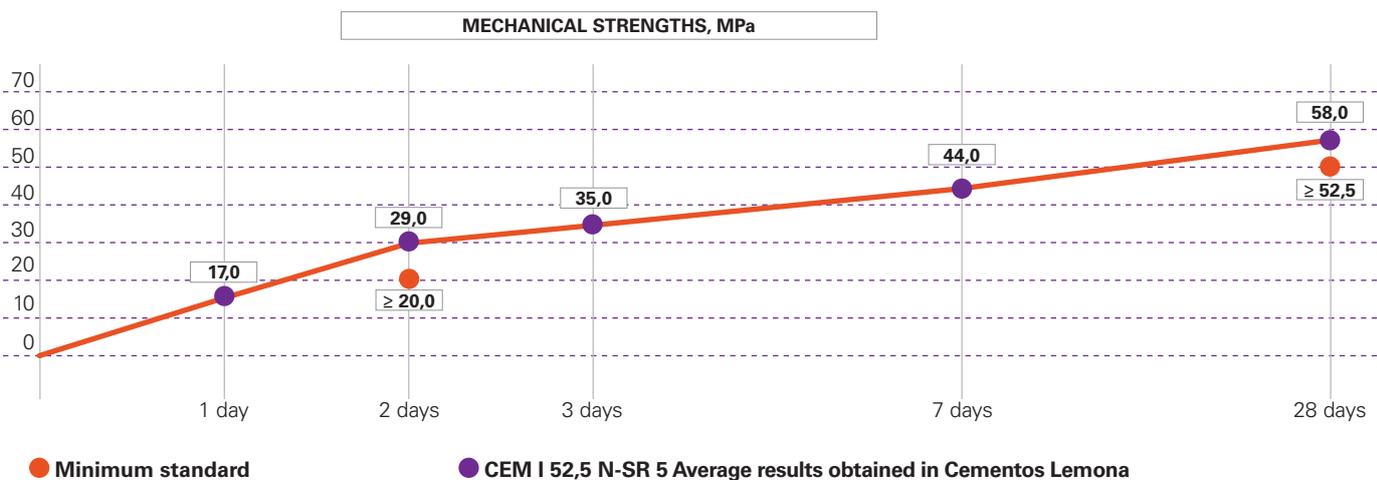
■ Mechanical properties

(Compressive strength in normalised mortar)

- 2 days: $\geq 20,0$ MPa
- 28 days: $\geq 52,5$ MPa.

■ Properties relative to clinker

- $C_3A \leq 5,0$ %



*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.