

LUMEN CEM II/B-L 32,5R WHITE PORTLAND LIMESTONE CEMENT



Production Sites

Cibra-Pataias Plant

Package

Bulk

25kg sacks

Certification

Cement certified according to NP EN 197-1.

Certificate of Conformity 0856-CPD-0142.



Product Composition (Cement Core)	65% to 79% Portland Clinker 21% to 35% Limestone 0% to 5% Other Constituents
Main Characteristics	White, reflectivity rate in excess of 80%, lower-heat hydration cement with better workability than a CEM I cement in the same strength class. Rapid development of initial resistances (higher initial resistance). Final resistance within the rated class values (resistance at 28 days).
Main Applications	From industrial pre-fabrication to minor repairs, CEM II / B-L 32.5R White Portland Limestone Cement is suitable for a wide range of uses and combines well with fine coatings such as stone, ceramic and masonry. CEM II/B-L 32.5R cement is mainly used for: <ul style="list-style-type: none"> • manufacture of reinforced and non-reinforced concrete with a striking white architectural effect or with colour pigments (coloured); • manufacture of industrial mortars (ready-mix mortars, cement-glue), restoration and repair mortars; • manufacture of all types of mortars; • light prefabrication and manufacture of white cement based items.
Specific Warnings	When used in exposed concrete with a striking architectural design and to ensure the desired final finish, additional care is required: <ul style="list-style-type: none"> • in concrete formulation and manufacturing (water/binder dosage, quality and type of aggregates, additives); • in application (scheduling and phasing of concretes, quality of formwork and form strippers, etc.); • in demolding, curing and final protection process. (For detailed information consult SECIL Technical-Commercial support) The enhanced workability enables the mixing water dosage to be reduced, ensuring a water/cement ratio compatible with the application conditions.
Security information	Handling powder cement may cause irritation to the eyes or airways. When mixed with water, it can also cause sensitised skin. The use of a dust mask, goggles, safety gloves and overalls is recommended to protect the hands and the skin. For detailed information refer to the Safety Datasheet.



CHEMICAL CHARACTERISTICS

Properties	Testing Method	Specified Value (1)
Sulphate Content (in SO ₃)	NP EN 196-2	≤ 3,5%
Chloride Content	NP EN 196-2	≤ 0,10%

(1) The percentages refer to cement paste.

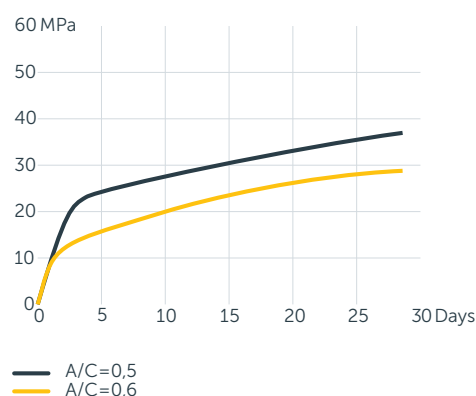
MECHANICAL CHARACTERISTICS

Compressive Strength (MPa)		
Resistance during the first days		Reference resistance
NP EN 196-1		
2 days	7 days	28 days
≥ 10	-	≥ 32,5 e ≤ 52,5

PHYSICAL CHARACTERISTICS

Properties	Testing Method	Specified Value
Start of Setting	NP EN 196-3	≥ 75 min
Expansibility	NP EN 196-3	≤ 10 mm

Indicative average values of compressive strength of concrete manufactured with 350 kg/m³ of CEM II/B-L 32,5R cement



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