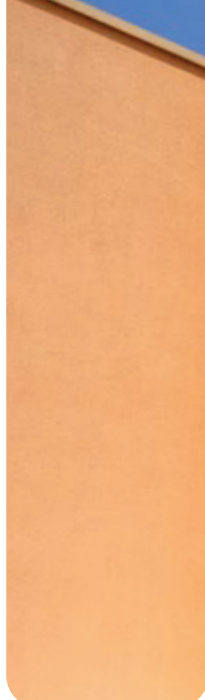


MAESTRO CEM II/B-L 32,5N PORTLAND LIMESTONE CEMENT



Production Sites

Secil-Outão Plant
Maceira-Liz Plant

Packaging

Bulk
40kg and 25kg sacks

Certification

Cement certified according to NP EN 197-1.
Certificates of Performance Regularity and Declarations of Performance
0856-CPR-0130 (Secil-Outão) and 0856-CPR-0131 (Maceira-Liz)

Product Composition (Cement Core)	65% to 79% Portland Clinker 21% to 35% Limestone 0% to 5% Other Constituents
Main Characteristics	Grey-coloured, lower-heat cement with better workability than a CEM I cement in the same strength class. Slower resistance development (lower initial resistance). Final resistances within the rated class values (resistance at 28 days).
Main Applications	CEM II/B-L 32.5N Portland Limestone Cement is the most widely used cement in civil construction works. Its excellent workability and low hydration heat make it especially suitable for all standard building work. CEM II/B-L 32.5N cement is mainly used for: <ul style="list-style-type: none"> • mortars and unreinforced concrete for filling and blinding; • ready-mixed or cast in-situ medium resistance structural concrete; • masonry, rendering and repairing mortars; • direct and indirect foundations in moderately aggressive environments; • soil and soil-cement stabilisation; • prefabrication of blocks, tubes, manifolds and other cement-based artefacts; • lightweight prefabrication using low mould turnover.
Specific Warnings	This cement improves the workability of concrete and mortar and enables the mixing water dosage to be reduced. The correct development of resistances is sensitive to the curing process so care should be taken to avoid the drying of concreted parts exposed to sun and wind (potential shearing). The use of this cement in very cold weather is not recommended without suitable measures being taken.
Safety Notice	Handling powder cement may cause irritation to the eyes or airways. When mixed with water, it can also cause sensitive 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

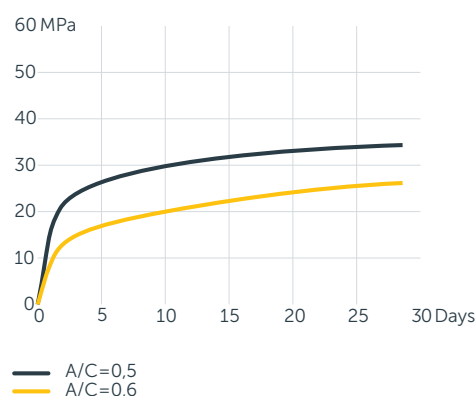
Compressive Strength (MPa)

Resistance during the first days		Reference resistance	NP EN 196-1
2 days	7 days	28 days	
-	≥ 16	≥ 32,5 e ≤ 52,5	

PHYSICAL CHARACTERISTICS

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

Indicative average values of compressive strength of concrete manufactured with 350 kg/m³ of CEM II/B-L 32.5N cement



CUSTOMER SERVICE

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