



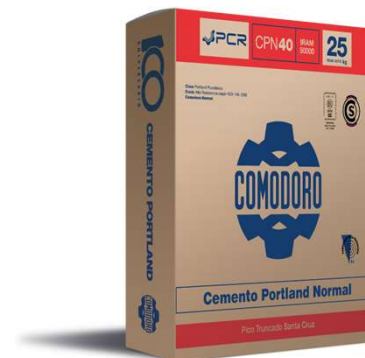
## CEMENTO COMODORO

### Comodoro Normal - CPN 40 Portland Cement

#### Description

“Comodoro Normal” - CPN40 portland cement, whose technical characteristics are established in the IRAM 50,000 standard, is the product of the joint grinding of clinker and small amounts of gypsum to regulate its setting.

Due to its properties, this cement is a widely used product for any type of application, even special concrete.



#### Applications

“Comodoro Normal” - CPN 40 portland cement is used in all types of works and structures. However, it is specially recommended for the following applications:

- PreWorks and structures where a high strength cement (NCh 148.Of 68) is required
- stressed and post-tensioned structures and elements.
- Pavements and structural concrete placed with slipping forms.
- Self-compacting concrete.
- Concretes with high initial strength requirements.



#### ATENCIÓN AL CLIENTE

PCR

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#### Recommendations

- Measure materials by weight to prepare concretes in order to obtain the best results and optimal cement consumption.
- Make laboratory concretes to determine the optimal water content compatible with the necessary workability and plasticity.
- Avoid excess water in mixtures.
- Make careful curing, starting as soon as possible, along 7 days minimum.
- Take extreme cautions on windy days; do not place concrete outdoors without taking all the necessary cautions
- Do not make mortars or concretes with temperatures below 5 °C.
- Comply with specifications of building codes and concrete structures (CIRSOC 201, others).



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### Physical Mechanical Properties

	Unidad	Resultados	IRAM 50.000
Density	g/cm <sup>3</sup>	3,10 ± 0,02	--
Initial Setting	h:min	3:00 – 4:00	≥ 1:00
Compressive strength (2 days) (**)	MPa	20 – 25	≥ 10
Compressive strength (28 days) (**)	MPa	52 – 56	≥ 40 y ≤ 60

(\*\*) Strengths higher than IRAM 50.000 standard (CP 40 category) minimum requirements

#### Note:

- Results are typical values from quality control tests.
- This cement complies with the Chilean Standard NCh 148.Of68 – Portland Pozzolanic Cement (PPC) Class – High Strength Grade.
- These data replace previous information.
- Update: April 2026.



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