

GREY CEMENT CEM II/A-P 42.5 N

STANDARD NA 442 (2013) / EN 197-1 (2011)

STRENGTH AT 28 DAYS

50.68 MPa

FINENESS

3499 cm²/g

PACKAGING

Bulk

UPDATED

June 2026

OVERVIEW

Portland Pozzolana Cement (PPC) composed of 75 - 89 % clinker, 2 - 5 % gypsum, and 6 - 20 % pozzolanic material, in accordance with NA 442 / EN 197-1 standards.

DOMAINS OF APPLICATION

- Works requiring high early strength (rapid formwork removal).
- Structural or standard reinforced concrete works.
- Foundations or underground works in non-aggressive environments.
- Floor slabs, industrial floors, masonry, and soil stabilization.

CHEMICAL ANALYSIS

SiO ₂ (Silicon Dioxide)	27.2 %
Al ₂ O ₃ (Aluminium Oxide)	5.41 %
Fe ₂ O ₃ (Ferric Oxide)	3.33 %
CaO (Calcium Oxide)	56.59 %
MgO (Magnesium Oxide)	1.08 %
SO ₃ (Sulphur Trioxide)	1.95 %
K ₂ O (Potassium Oxide)	0.35 - 0.50 %
Na ₂ O (Sodium Oxide)	0.30 - 0.45 %
Cl (Chloride)	0.032 %
IR (Insoluble Residue)	6.04 %
LOI (Loss On Ignition)	2.53 %
CaO free (Free Lime)	0.82 %
Eq. Na ₂ O (Alkalis Equivalent)	0.50 - 0.60 %

PHYSICAL PROPERTIES

Specific Surface (Blaine)	3499 cm ² /g
Normal Consistency	26.88 %
Start of setting (minutes)	134 min
Hot expansion (mm)	0.47 mm

COMPRESSIVE STRENGTH

2 days (EN 196-1)	23.80 MPa
7 days (EN 196-1)	38.47 MPa
28 days (EN 196-1)	50.68 MPa

Typical average values.