

WHITE CEMENT CEM I 52.5 R

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

STRENGTH AT 28 DAYS

≥ 58.5

FINENESS

3600 - 4000

PACKAGING

Bulk / 2.0 T Big Bags

UPDATED

May 2026

OVERVIEW

This white cement is specially designed for architectural structures and decorative concrete elements. It is recommended for high-compressive-strength concrete.

RECOMMENDED APPLICATIONS

- Exposed structural concrete and architectural concrete structures.
- Decorative concrete elements and architectural concrete.
- Production of single-layer and double-layer concrete paving slabs and tiles.
- Cement-based mortars and tile adhesives.
- High-compressive-strength concrete applications.
- Excellent surface finish with a wide range of colours.

CHEMICAL ANALYSIS

Loss On Ignition (LOI) (NA 5042)	≤ 3.5
Sulphur Trioxide (SO ₃)	2.5 ± 0.5
Magnesium Oxide (MgO)	2.0 ± 0.5
Chloride Content (NA 5042)	0.02 - 0.05

CLINKER MINERALOGICAL COMPOSITION (BOGUE)

Tricalcium silicate (C ₃ S)	65 ± 5
Tricalcium aluminate (C ₃ A)	10 ± 1

PHYSICAL AND OPTICAL PROPERTIES

Normal Consistency (%)	27 ± 2.0
Fineness (Blaine Method) (cm ² /g) (NA 231)	3600 - 4000
28-Day Shrinkage (µm/m)	< 1000
Expansion (mm)	≤ 3.0
Whiteness (Lightness L*) (%)	> 92

SETTING TIME AT 20 °C (NA 230)

Initial Setting Time (min)	170 ± 40
Final Setting Time (min)	260 ± 40

COMPRESSIVE STRENGTH

2 Days (MPa)	≥ 30
28 Days (MPa)	≥ 58.5

Typical average values.