

WHITE CEMENT CEM II/B-L 42.5 N

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

STRENGTH AT 28 DAYS

≥ 45

FINENESS

4600 - 5400

PACKAGING

Bulk / 2.0 T Big Bags

UPDATED

May 2026

OVERVIEW

This range of white cement is commonly used for finishing and decorative applications, as well as for the manufacture of road safety products and single-layer and double-layer concrete paving slabs.

RECOMMENDED APPLICATIONS

- Architectural concrete: panels, decorative structures, and precast or cast-in-place elements.
- Single-layer and double-layer concrete paving slabs and tiles.
- Cement-based mortars, tile adhesives, grouts, and repair products.
- Decorative flooring, floor coverings, and roof tiles.
- Road safety products: barriers and kerbs.
- Concrete art: statues and architectural features.

CHEMICAL ANALYSIS

Loss On Ignition (LOI) (NA 5042)	10.0 ± 2
Sulphur Trioxide (SO ₃)	2.6 ± 0.4
Magnesium Oxide (MgO)	2.5 ± 0.5
Chloride Content (NA 5042)	0.02 - 0.06

CLINKER MINERALOGICAL COMPOSITION (BOGUE)

Tricalcium silicate (C ₃ S)	65 ± 3
Tricalcium aluminate (C ₃ A)	10.0 ± 1

PHYSICAL AND OPTICAL PROPERTIES

Normal Consistency (%)	27 ± 3.0
Fineness (Blaine Method) (cm ² /g) (NA 231)	4600 - 5400
28-Day Shrinkage (µm/m)	< 1000
Expansion	≤ 3.0
Whiteness (Lightness L*) (%)	> 93

SETTING TIME AT 20 °C (NA 230)

Initial Setting Time (min)	180 ± 40
Final Setting Time (min)	280 ± 40

COMPRESSIVE STRENGTH

2 Days (MPa)	≥ 16.0
28 Days (MPa)	≥ 45

Typical average values.