WHITE PORTLAND CEMENT

CEM I 52.5 N | High-strength white cement for demanding applications

GENERAL PRODUCT INFORMATION

White Portland Cement CEM I 52.5 N is designed for applications requiring high compressive strength, durability, workability and a clean, bright finish. It is suitable for industrial construction, precast products, ready-mixed concrete and decorative architectural work.

KEY FEATURES & APPLICATIONS

Key features	Typical applications
• High compressive strength • Good durability and workability • Supports colour vibrancy and fine surface textures • Suitable for decorative and structural use	• Industrial construction facilities • Concrete products and precast elements • Ready-mixed concrete • Dry construction mixtures • Garden landscaping and decorative features • White and coloured architectural concrete

CHEMICAL, PHYSICAL & MECHANICAL PROPERTIES

Property	Typical value	Standard limit
Insoluble residue (%)	1.0 ± 0.5	< 5.0
Ignition loss (%)	3.5	< 5.0
SO■ (%)	3.0 ± 0.3	< 4.0
Chlorine (%)	0.05 ± 0.02	< 0.1
Soundness (expansion)	1.5 ± 0.5	≤ 10.0
Initial setting time (min.)	140 ± 30	≥ 45
2-day compressive strength (N/mm²)	≥ 26.0	≥ 20.0
28-day compressive strength (N/mm²)	≥ 58.0	≥ 52.5
Whiteness (Y)	≥ 85.0	—

COMPOSITION & COMPLIANCE

• Clinker: 95–100%
• Minor additional constituents: 0–5%
• Product specification references EN 197-1:2011 and ES 4756-1:2022. Certification and compliance documentation can be provided upon request.

PACKAGING & STORAGE

Packaging	Storage
Supplied in 40 kg bags as standard. Packaging sizes can be customized upon request, subject to confirmation.	Store in dry, suitable conditions and protect bags from moisture. Retesting is recommended after six weeks from packing.

Note: Values shown are typical product information from the supplied technical sheet. Please request current technical and compliance documents for project-specific verification.