

Royal El Minya White Cement

CEM I 52.5 N

Royal El Minya White Portland Cement, classified as CEM I 52.5 N CEM I 52.5 N according to EN 197-1 :2011 with CE Mark (0906-CBR 20000240011586), is a high-performance binder used in the production of white or colored masonry mortars, plasters, and concrete. Its superior whiteness, durability, and strength make it ideal for a wide range of architectural and structural applications.

Advantages

- Superior quality and high durability
- Suitable for both white and pigmented concrete, plasters, and mortars
- Enhances color vibrancy and provides fine surface textures
- High compressive strength and excellent workability
- Ideal for decorative, structural, and universal applications

Applications

- Dry construction mixtures
- Interlocking and patio pavers
- Precast concrete elements
- White and colored architectural concrete
- Garden landscaping and decorative features
- Chemical building products

Cement Composition

- Portland cement clinker: 95 - 100%
- Minor Additional Constituents: 0 - 5%

Regulatory Compliance:

White Portland CEM I 52.5 N– Limestone cement According to EN 197-1:2011 standard (Portland cement, Hydraulic Cement)

Storage Conditions

- Storage:**
Recommended to retest after 6 weeks from the packing date if stored for long durations.
- Shelf Life:**
Valid if stored in dry, moisture-free conditions.



Chemical, Physical & Mechanical Properties

Parameter	Royal	Unit	Standard
Insoluble Residue %	1.0 ± 0.5	%	≤ 5
Ignition Loss (%)	4.0 ± 0.5	%	≤ 5
SO ² (%)	3.3 ± 0.3	%	≤ 4
Chlorine (%)	0.05 ± 0.02	%	≤ 0.1
Hexavalent Chromium	≤ 0.6	ppm	≤ 2.0
Whiteness	≥ 85.5	%	-
Initial Setting (min.)	185 ± 30	min	≥ 45
Soundness - (expansion)	1.0 ± 0.5	mm	≤ 10
2 Days Compressive Strength (N/mm ²)	≥ 30	N/mm ²	≥ 20
28 Days Compressive Strength (N/mm ²)	≥ 65.0 ± 3	N/mm ²	≥ 52.5

Packaging & Shipping Options

- Bulk Transport:**
 - Shipped in vessels and containers for global export.
- Bagged Cement:**
 - Available in 25 kg, 40 kg, and 50 kg bags.
 - Material options: P.P, C.P3L+PE, and C.P 3L+PE.
 - Securely packed on pallets.
 - Customization is available to meet specific customer requirements.
- Big Bags (Jumbo Bags):**
 - Customized as per customer request, with or without pallets, ensuring flexible packaging and transport solutions.