

Royal El Minya White Cement

CEM II/B-LL 32.5 N

Royal El Minya White Portland Cement CEM II/B-LL 32.5 N it complies with EN 197-1:2011 High-quality binder offering excellent strength, durability, and environmental benefits. With a carefully balanced limestone addition, it enhances workability and reduces the CO₂ footprint while maintaining strong performance.

Advantages

- Excellent workability – Provides smooth handling and easy placement.
- Moderate strength development – Ideal for non-structural and general-purpose applications.
- Sustainable composition – Contains limestone to reduce clinker content and lower CO₂ emissions.
- Improved durability – Offers good resistance to environmental conditions.
- Enhanced finishing quality – Ensures smooth surfaces for plastering and masonry work
- Economic efficiency – Cost-effective option for a wide range of construction needs.

Applications

- Masonry mortars & plasters – Ensures strong bonding and smooth application.
- Non-structural concrete – Suitable for foundations, slabs, and general-purpose concrete works.
- Precast elements – Used for producing lightweight blocks, curbstones, and pipes.
- Road base stabilization – Improves soil strength for subgrades and road construction.
- Pavement & walkways – Ideal for light-duty paving and flooring applications.
- Sustainable construction – A preferred choice for projects requiring lower environmental impact.

Cement Composition

- Portland cement clinker 65% to 79%
- Limestone 21% to 35 %
- Minor additional constituents 0.0 to 5.0 %

Storage Conditions

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

Chemical, Physical & Mechanical Properties

Parameter	Royal	Unit	Standard
Ignition Loss (%)	16 ± 1	%	-
SO ³ (%)	2.2 ± .03	%	≤ 3.5
Chlorine (%)	0.050 ± 0.015	%	≤ 0.1
Hexavalent Chromium	≤ 0.6	ppm	≤ 2.0
Whiteness	≥ 86.0	%	-
Initial Setting (min.)	190 ± 20	min	≥ 75
Soundness - (expansion)	2 ± 1	mm	≤ 10
7 Days Compressive Strength (N/mm ²)	20 ± 2	N/mm ²	≤ 16
28 Days Compressive Strength (N/mm ²)	38 ± 2	N/mm ²	≥ 32.5

Packaging & Shipping Options

- **Bulk Transport:**
 - Shipped in vessels and containers for global export.
- **Bagged Cement:**
 - Available in 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.

