

Royal El Minya White Cement

CEM II/B-LL 32.5 R

Royal El Minya White Portland Cement CEM II/B-LL 32.5 R 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 |
|---|---------------|-------------------|----------|
| 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 |
| 2 Days Compressive Strength (N/mm ²) | 15 ± 2 | N/mm ² | ≥ 10 |
| 28 Days Compressive Strength (N/mm ²) | 37 ± 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.

Manufacturer: Royal El Minya Cement, Egypt
A leading global manufacturer of high-quality white cement, exporting to 55+ countries worldwide.

