

Technical Data Sheet.

Product Type: **White Portland Limestone Cement** (CEM II/B-LL 42.5 N).

1. Manufacturer

Royal El Minya Cement Co.

Samalut, El Mina, Egypt

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Web: www.royalcement.com

2. Product Description

Royal White Cement (CEM II/B-LL 42,5 N) is a binder for white products preferred in the world because of its stability and high strength. Especially suitable for exposed concrete and architectural concrete and applications like; Ready-mix- and pumpable concrete, precast concrete elements and products and plaster and masonry mortar.

White cement contains only traces of Cr6+ and satisfies the requirements of Regulation No 275/2004 of Collection of law.

3. Composition & Materials

Royal Cement's products are manufactured with premium Egyptian white Portland Cement and limestone. Production processes are certified according EN 197-1 & CE Mark (0770-CBR 2362-02-16)

All manufacturing is quality controlled to ensure our product's optimal performance and uniformity.

The composition of Portland limestone cement is as follows:

Ingredient Name	% Content
Portland Cement Clinker	65 - 79 %
Limestone	21 - 35 %
Minor constituents	0 - 5 %

4. Whiteness

Whiteness is measured according to Y value using the CIE system (Hunter Lab systematic).

Y (Whiteness) ≥ 86,5

5. Chemical Features

Item	Royal White Cement Typical Value	Standard Limit
Insoluble Residue (%)	0,3 ± 0.05	< 5.0
SO ₃ (%)	2.0 ± 0.3	< 3,5
Chlorine (%)	0.050 ± 0.015	< 0.1

6. Physical Features

Item	Royal White Cement Typical Value	Standard Limit
Initial Setting (min.)	150 ± 20	≥ 60,0
Soundness (expansion mm)	2.0 ± 1.0	≤ 10.0
Compressive Strength (N/mm ²)		
2 Days	≥ 19.0	≥ 10.0
28 Days	≥ 48.0	≥ 42.5 max ≤ 62.5

7. Packaging

Bulk in silo trucks or super sacks.

Valid if stored in good condition

Recommended to retest after 6 weeks of packing date.

8. Technical Assistance

Technical assistance, including more detailed information, samples and pricing is available by contacting your Royal Cement representative or by e-mailing m.bakker@royalcement.com.