



Grey Portland Cement

Product Data Sheet



RWC GREY PORTLAND CEMENT, also known as **Ordinary Portland Cement (OPC)**, is a high quality, versatile construction material designed to meet rigorous industry standards. It is widely used in residential, commercial, and infrastructure projects, providing a strong and durable foundation for various applications, including concrete, masonry, and mortar. **Grey Portland Cement** is produced using premium raw materials and advanced manufacturing techniques to ensure consistent performance, workability, and strength. Its reliable composition makes it ideal for general construction, high-strength structural elements, and precast applications.

Improved bagging technology offers enhanced protection against moisture and adverse weather conditions, ensuring product longevity and ease of handling. With its proven performance and durability, **RWC Grey Portland Cement** is the trusted choice for builders and engineers worldwide.

APPLICATIONS

RWC GREY CEMENT can be used in many constructions product as follows:

- Structural Concrete
- Precast Concrete Products
- Concrete Masonry Units & Blocks
- Concrete Bricks & Pavers
- Tile Adhesive & Grouts
- Stucco & Plaster Coatings
- Roads & Infrastructure
- In Ground Pools & Pool Shells
- Masonry & Mortars
- Terrazzo & Polished Concrete Flooring
- Retaining Walls & Landscaping Products
- Industrial & Commercial Construction
- Bridges
- Tunnel Walls



QUALITY

RWC GREY PORTLAND CEMENT is manufactured using the latest technology in cement production and carefully selected raw materials, including high-quality limestone and clay. The raw mix is finely ground to the required finesse before being processed in a high-temperature kiln to produce durable clinker.

RWC GREY PORTLAND CEMENT is known for its consistent **quality, superior strength,** and **excellent workability,** making it an ideal choice for a wide range of construction applications.



PROPERTIES STRENGTH

Physical Properties

3 days	≥ 30 mpa	≥ 3,900 psi
7 days	≥ 40 mpa	≥ 5,500 psi
28 days	≥ 52.5 mpa	≥ 7,000 psi

Chemical Properties

MgO	So ₃	LOI	Na ₂ O + K ₂ O
≤ 4.0	≤ 4.0	≤ 3.0	≤ 0.8



MIX DESIGN

Mix design using **RWC GREY CEMENT** needs to be varied to suit individual application, it is recommended that trial mixes to be carried out prior to commencement of work o ensure that the mix design and material combinations meet the requirements of the specifications of the particular application.



PACKAGING & SHELF LIFE

RWC GREY MENT is packaged in a specialty bag to protect it from humidity. However, as with all hydraulic Cement, it is recommended that RWC GREY CEMENT is not placed outdoors or in direct contact with the ground. When correctly stored in dry conditions, the properties of RWC GREY CEMENT will remain within specification limit for at least 6 months. In most cases, its properties will be retained for over a year. Available in 94 lb bag, super sacks and bulk.



ROYAL WHITE CEMENT INC LIMITED WARRANTY

RWC warrants that this product, at the time of shipment, conforms to the Specifications set forth in section 2 of this Product Data Sheet. All other information provided in this Product Data Sheet is for guidance only. ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. RWC sole obligation and the sole and exclusive remedy under this limited warranty shall be the replacement of any nonconforming product, or, at RWC option, the refund of the purchase price. No warranty is given for any technical advice or recommendations provided by RWC. Buyer waives all claims under this limited warranty unless it has given written notice of nonconformity within 30 days of delivery.