

RWC 40

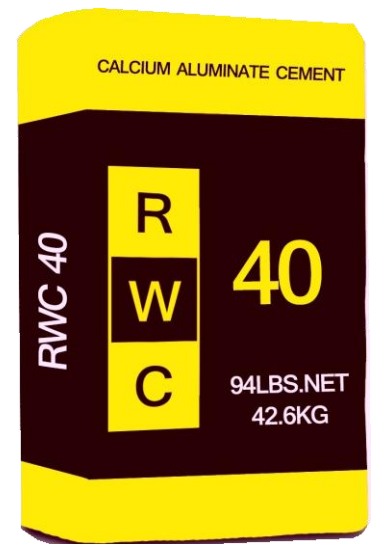
(Calcium Aluminates Cement)
Product Data Sheet.

NOW
Cement in Hours
NOT in Days

RWC 40, Calcium Aluminates Cement

Are cements consisting predominantly of hydraulic calcium aluminates rather than the calcium silicate basis of the regular Portland Cement. Alternative names are "Aluminous Cement", "High Alumina Cement" & other names used in France reflecting the Melting production process of its Clinker.

RWC 40 Calcium Aluminates Cement Is also produced By melting its clinker in one of the latest technologies.



APPLICATIONS

RWC 40 can be used as binder in many constructions Product as follows:

- When Mixed with Portland Cement High early strength gain for precast concretes and mortars allowing fast demolding of form work within 6 to 24 hours, and set time from hours to minutes.
- Concretes subject to severe chemical attacks.
- Heat resistance and refractory concretes.
- Self leveling needing high early strength.
- Rapid repair mortars & stop leaking materials.
- Concrete repairs for highways, bridges, runways, when fast setting, and early strength needed for traffic reopening.
- Fast setting tiles adhesive and non shrinking grout etc...
- Lower temperature concrete work.
- Anchor Bolt Grout.

QUALITY

RWC 40 is produced using the latest melting technology in CAC Production, and using carefully selected Limestone and bauxite, after the raw mix is ground to the required finesse, the clinker is produced in the kiln then is ground in a Cement Mill to produce **RWC 40**.

RWC 40 Does not contain any additive

RWC 40 is Dark in Color

RWC 40 does not contain crystalline silica

PROPERTIES

Strength

Very High Early strength is a fundamental of **RWC 40**

Physical Properties

6 hours	≥ 25 mpa	≥ 3500 psi
24 hours	≥ 45 mpa	≥ 6500 psi
3 days	≥ 55 mpa	≥ 8000 psi

Chemical Properties

Al ₂ O ₃	CaO	SiO ₂	Fe ₂ O ₃
≥ 37	≤ 40	≤ 6.0	≤ 18.5

CONCRETE MIX DESIGN

Concrete Mix design using **RWC 40** needs to be varied to suit Individual application. It is recommended that trial mixes are carried out prior to commencement of work to ensure that the mix design and material combinations meet the requirements of the specifications of the particular application.

PACKAGING & SHELF LIFE

RWC 40 is packaged in a specialty bag to protect it from humidity. However, as with all hydraulic Cement / binders, it is recommended that **RWC 40** Is not placed outdoors or in direct contact with the ground. When correctly stored in dry conditions, the properties of **RWC 40** will remain within specification limit for at least 6 months. In most cases, its properties will be retained for over a year. **RWC 40** is available in 94 Lb. bag, 25 Kg. bag, Super Bag and In Bulk.

ROYAL WHITE CEMENT INC LIMITED WARRANTY

RWC 40 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 non-conforming 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.

