

RWC CSA/Binder

(Calcium Sulfoaluminate Cement)
Product Data Sheet.

NOW
Cement in minutes
NOT in Days

RWC CSA/binder, Calcium Sulfoaluminate Cement

CSA/Binder, or Calcium Sulfoaluminate Binder is a pure CSA clinker and also known as CSA/Binder, grinded without any additives (Gypsum etc....), and is a hydraulic cementitious mineral blend high in C4A3S (Calcium Sulfoaluminate Crystals).

Upon mixing with Portland Cement and Anhydrite, it yields a very early and strong cementitious matrix.



Applications

RWC CSA/Binder can be used as binder in many constructions
Product as follows:

- 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.
- Precast concrete when fast demolding is needed.
- Fast setting tiles adhesive and non shrinking grout etc...
- Lower Temperature concrete work.
- Shotcrete , Guniting and Stucco.
- High Sulfate resistance work.
- Anchor Bolt Grout.

QUALITY

RWC CSA/Binder is produced using the latest technology in Cement 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 CSA/Binder

RWC CSA/Binder Does not contain any additive

RWC CSA/Binder is light grey in Color

RWC CSA/Binder does not contain crystalline silica

PROPERTIES

Strength

Very High Early strength is a fundamental of RWC CSA / Binder

Physical Properties

6 hours	≥ 25 mpa	≥ 3500 psi
24 hours	≥ 50 mpa	≥ 7250 psi
3 days	≥ 75 mpa	≥ 11000 psi

Chemical Properties

Al ₂ O ₃	CaO	SiO ₂	Fe ₂ O ₃
≥ 34	≤ 42.5	≤ 10	≤ 2.5

Concrete Mix Design

Concrete Mix design need using RWC CSA needs to be varied to suit individual application; it is recommended that trial mixes to be 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 CSA is packaged in a specialty bag to protect it from humidity. However, as with all hydraulic Cement / binders, it is recommended that RWC CSA is not placed outdoors or in direct contact with the ground. When correctly stored in dry conditions, the properties of RWC CSA will remain within specification limit for at least 6 months. In most cases, its properties will be retained for over a year. Available in 50 lbs, 25 kg 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.



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