



CHEMIKO CRETE 25/ AQUACRETE

High quality acrylic polymers

1/1/2017

DESCRIPTION

CHEMIKO CRETE 25 is a white liquid, high-quality acrylic-modified polymer blended with plasticizers and selected fillers, for waterproof coating and as a bonding agent. When diluted, it produces a gauging solution for improving cementitious mixes. When it is used in combination with standard quality ordinary Portland cement, it improves the mechanical properties such as bonding (adhesion) with various building materials, flexural, compression, and impact strength. It improves the thin section fragility of cement when used as a coating.

BENEFITS/CHARACTERISTICS

- Easy to use: Easy to apply by brush, roller, or squeegee.
- Constant quality: No site additions ensure uniform performance.
- Durability: Highly durable and UV tolerant.
- Adhesion: Excellent bond strength to porous and non-porous concrete surfaces.
- Flexibility: The Part-B component is a specially blended copolymer of acrylic latex which improves adhesion, flexibility, and waterproofing characteristics.
- Anti-carbonation: A membrane of 1.5 to 2 mm provides an excellent shield against the penetration of carbon dioxide and chloride ions.
- Waterproofing & Vapour Permeability: Excellent resistance to ingress of water.

COMPATIBILITY

- Compatible
- Compatibility with canvas cloth

FLAMMABILITY

- Non-flammable

TECHNICAL INFORMATION

Parameter	Value
pH Value at 30°C	8 to 10
Specific Gravity	1.05 ± 0.05
Solid Content %	$25 \pm 2\%$
Appearance	Bluish Milky white liquid
Drying Characteristics	Initial setting time – 24 hrs.
Drying Characteristics	72 hrs. with moist cloth or water spray.
Drying Characteristics	28 days under water immersion

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.



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MIXING

- For coating
- Cement :CHEMIKO CRETE 25 2:1 parts by weight
- For repair mortars
- 15–20% by weight on cement quantity (RCC members)
- For flooring screeds
- 18–20% by weight on cement quantity
- For cement paints
- 3–4 litres / 50 kg bag of cement
- For bonding coat
- Cement : CHEMIKO CHEMIKO CRETE 25 1:1 parts by weight

FEATURES

- Improves adhesion, flexibility, bond strength, and waterproofing characteristics.
- Increases durability under freeze/thaw cycling.
- Reduces cracking through increased mortar flexural strength.
- Increases mortar wear resistance under rubber-wheeled traffic.
- Repair mortar offers greater impact resistance.
- Due to low permeability, it can be used for waterproof sealing and lining of tanks, etc.

AREA OF APPLICATIONS

- Waterproofing of building terrace, toilet sunken portion, basements, waterproofing of water tanks and swimming pools.
- Bridge decks, traffic aprons, runway, parking garages, industrial or factory floors, balconies, mechanical rooms, side walls etc.
- Pools and foundations, reservoirs, channels, dams, water tower, tunnels etc.
- Sewers, silos, foundation walls, swimming pools etc.
- Repairing of concrete & masonry walls – internal, external and terrace roofs by cement mortars.
- Protection of concrete against corrosion and efflorescence.
- As an additive with cement paints which improves waterproofing property, coverage by 20–25% and life of cement paint.
- As a bonding agent for old concrete and new concrete.

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A. BRUSH COATING APPLICATION:

- For waterproofing of terrace, toilet blocks, swimming pools, water tanks and basements.
- After surface preparation, pre-wet the surface with sufficient water.
- Allow the surface to dry for minimum an hour. Mix 2 kg of OP cement with 1 litre of chemical homogeneously till no lump or air bubble remains in the mix.
- Apply coating by brush and allow it to dry for 2 hours before application of second coat. Minimum 2 coats are required.

CEMENT PAINT ADMIXTURES

- Mix 3-4ltr. Of CHEMIKO CRETE 25 with 50kg. of cement paint homogeneously to form an uniform mix.
- Apply the mixed and diluted cement paint by brush.
- For better result use reinforcement.
- Allow to dry 2 hrs. before application of second coat.
- It increases the covering capacity of cement paint by 20-25%.

SUBSTRATE QUALITY

- Depending on the application, the substrate should be sound and free of all traces of contaminants, loose and friable particles, cement laitance, oils and grease etc. For structurally bonded situations, the substrate must be structurally adequate.

SUBSTRATE PREPARATION

- The substrate should be prepared by suitable mechanical preparation techniques such as water jetting, needle guns, blast cleaning, scabblers etc. and properly pre wetted to a saturated surface dry condition.

Application Conditions / Limitations

- Substrate Temperature +5°C min. / +35°C max.
- COVERAGE: 18-20 sqft in 2 coat will give 1mm DFT.

Health & Safety

- Use of hand gloves is necessary while mixing the Product. In case of contact with skin or eyes, use plenty of water to wash and obtain medical helps immediately.
- **STORAGE** : STORE IN COOL DRY PLACE
- **SHELF LIFE** : 12 MONTHS FROM DATE OF MANUFACTURING

AVAILABLE PACKING : 1KG, 5KG, 10KG, 20KG, 50KG, 200KG

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