



CHEMIKO CRETE HIGH +

Premium Quality Acrylic Polymers

1/1/2017

DESCRIPTION

CHEMIKO CRETE HIGH + is a single-component aqueous dispersion of premium-grade acrylic co-polymer, specially designed to modify Portland cement compositions. When added to mortar, it significantly increases physical strength, improves bonding capacity, and ensures long-lasting adhesion to surfaces such as old brickwork, concrete, or any masonry substrate.

This formulation contains an anionic emulsifier system and is completely free from solvents, plasticizers, and film-forming aids, making it safe and reliable for heavy-duty applications.

ADVANTAGES/CHARACTERISTICS

- Highly suitable for waterproofing of roofs, terraces, and tank lining due to very low permeability.
- Superior bonding strength that helps reduce cracking by increasing mortar flexural strength.
- Enhances mortar wear resistance, making it ideal for rubber-wheeled traffic.
- High impact resistance improves life of the coated surface.
- Offers excellent durability in freeze/thaw conditions.
- Can be safely used in potable water tanks due to food-grade properties.
- Improves resistance to mild chemicals, grease, alkaline & acid exposure.

FIELD OF APPLICATION / USES

- Basements, Raft, Retaining Wall
- Roof slabs, such as parking decks, roof decks, Podium slabs, Green Areas, Planter boxes

TECHNICAL DATA

Property	Value / Requirement
Appearance (Liquid Component)	Free Flowing, Milky White
Compatibility with Canvas Cloth	Compatible ²
Coverage	38 - 48 sqft in 2 coats (depending on substrate)
Flammability	Non-Flammable
Non-Volatile Content	40 ± 2%
pH	8 – 10
Solubility	Soluble with water
Specific Gravity	1.0 ± 0.05
Water Resistance	Excellent

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.



ISO 9001:2015



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BONDING

- It can be used undiluted or diluted with soft water.
- It depends on applications and site conditions.

CLEANING

- Clean tools and equipment with water before the material hardens.

HEALTH & SAFETY

- Use rubber hand gloves & safety goggles.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children.

MORTAR PLACEMENT

- Topping Application – For patching, spread with a trowel or square-tipped shovel to a thickness that matches the surrounding concrete.
- Finish by hand trowelling.
- On large floor areas, use screed strips as guides in combination with vibratory screeding to level.
- Compact and finish by hand or machine trowel.

METHOD OF APPLICATION

- CHEMIKO CRETE HIGH + to be admixed with 2 litres of water to prime the surface either by brush, roller, squeegee, or spray.
- Apply first coat with mixture of
- CHEMIKO CRETE HIGH + : Water : Cement in ratio of 1 : 1 : 4 by weight.
- Apply top coat with the same mixture ratio as above.
- For best results cover with protective layer.

SHELF LIFE & STORAGE

- Shelf life is 12 months in unopened container.
- Store in a cool, dry place away from sunlight, at temperatures below 30°C.

AVAILABLE PACKING: 1 kg, 5 kg, 10 kg, 20 kg, 50 kg, 200 kg.

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