

CEMKRETE



CEMKRETE is a high-performance acrylic co-polymer admixture for cement-based mortars and concrete. It improves bonding, flexibility, workability, and impact resistance. Perfect as a tie coat, it strengthens the bond between existing and new concrete surfaces.

PRIMARY USE

- **Patching & Levelling** : Ideal for repairing old substrates and spalled concrete.
- **Plaster & Render Bonding** : Enhances adhesion of plaster and cement renders.
- **Waterproofing** : Effective for terraces, basements, bathrooms, and water-retaining structures.
- **Screed Laying** : Suitable for thin-section screeds on new or existing floors.
- **Concrete Renovation & Protection** : Protects against corrosion, salt petre, and environmental degradation.
- **Crack & Crevice Repair** : Perfect for filling and repairing cracks and crevices in concrete structures.

MERITS

- **Superior Adhesion** : Bonds strongly to most building materials.
- **Chemical & Water Resistant** : Protects against water, mild acids, and alkali solutions.
- **Enhances Durability** : Increases toughness and longevity of concrete and mortar.
- **Anti-Microbial Protection** : Resists growth of mold and microorganisms.
- **Breathable System** : Allows cementitious surfaces to breathe naturally.
- **Versatile Applications** : Suitable for both internal and external use.

DOSAGE

- For best results, mix **5–10 litres of CEMKRETE** with each **50 kg bag of cement**, tailored to your application needs.

COMPATIBILITY

- CEMKRETE works seamlessly with all grades of Portland cement.

DIRECTION OF USE

CONCRETE REPAIR



Surface Preparation :

- Thoroughly clean the area to be patched.
- Remove all loose or deteriorated material to expose sound concrete and any corroded steel reinforcement.
- Clean rusted steel bars using a wire brush or mechanical tool.



Primer Application :

- Prepare a primer by diluting 1 part CEMKRETE with 3 parts water (by volume).
- Apply uniformly over exposed steel and concrete surfaces.



Bond Coat :

- While the primer is still tacky (approx. 15–20 minutes), apply a bond coat by mixing 2 parts cement: 1-part CEMKRETE: 1 part water.
- Allow the bond coat to dry for approx. 30 minutes.



Polymer Modified Mortar Application :

- Prepare a dry mix of 1 part cement: 3 parts sand/aggregate (by volume).
- Add 10–15% CEMKRETE (by weight of cement) diluted with equal volume of water.
- Mix thoroughly, then add additional water to achieve trowel able consistency.
- Apply the polymer-modified mortar to patch the concrete.
- Curing: Keep the patched area moist for 72 hours using light water spray (mist curing) or moist hessian bags.

STORAGE

- Minimum shelf life of 12 months if kept unopened in original packaging and stored in a cool, dry place away from temperature extremes and direct sunlight.

Available Packaging

200mL, 1L, 5L, 20L

TECHNICAL DATA

General Properties

Testing Properties	Test Result
Colour	White Emulsion Liquid
Specific Gravity (at 25°C ±2°C)	1.03 ± 0.01
pH	8 - 10
Viscosity	15 cps
Solid Content	>35%
Ambient Temperature	above 5 degree Celsius

SAFETY PRECAUTION

- CEMKRETE is safe to use under normal conditions. Avoid swallowing and prevent direct contact with skin and eyes.

Disclaimer : Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.



CORPORATE OFFICE

Survey No. 176, Plot No. 2, Nr. Arsh Alloys, Ghanghali, Sihor,
Sihor, Bhavnagar- 364240, GUJARAT

HelpLine

+91 78741 94733

E-Mail : info@kbbuildchem.com