

Kesari Crackfiller

Kesari Crackfiller is a single-component, ready-to-use, high-performance acrylic polymer-modified paste specifically engineered for sealing and filling structural and non-structural cracks in concrete and masonry surfaces. It exhibits superior flexibility, exceptional adhesion, and high crack-bridging capability, preventing water leakage and dampness from penetrating walls.

1. Product Technical Overview

Technical Parameter	Description / Specification
Product Name	Kesari Crackfiller
Nature / Form	Single-component, ready-to-use acrylic polymer paste
Color	White / Off-white (paintable overcoat)
Packaging Sizes	Available in 500 g, 1 kg, 5 kg, and 20 kg containers
Shelf Life	12 months in original, unopened containers in cool, dry conditions
Core Functions	Internal/external wall crack repair, plaster crack filling, junction sealing, and concrete surface defect remediation.
Key Advantages	Ready to use, high flexibility/elasticity, excellent adhesion, low shrinkage, and overpaintable with standard emulsions.

2. Core Application Systems & Execution Protocol

STEP 1: Surface Preparation

- Ensure the crack and surrounding area are structurally sound, clean, and completely free from dust, loose particles, oil, grease, paint flakes, and efflorescence.
- Widen the crack into a **'V' shape** using a mechanical tool or chisel to provide a proper mechanical key for the filler paste.
- Clean out all dust and debris using a stiff wire brush followed by compressed air or a damp sponge, then pre-dampen to reach an SSD condition.

STEP 2: Priming (Optional / Recommended)

- For highly porous or suction-heavy masonry surfaces, apply a priming coat using a diluted mixture of an acrylic polymer bonding agent or a slurry made with Kesari Crackfiller and water along the interior of the crack to maximize bond strength.

STEP 3: Application of Kesari Crackfiller

- **Filling Technique:** Take Kesari Crackfiller directly from the container and force it firmly into the prepared 'V'-grooved crack using a putty knife, spatula, or caulking gun.
- **Leveling & Finishing:** Overfill the crack slightly to allow for minor settling, then press and scrape flush with the wall surface. Finish smooth with a wet trowel or putty blade.
- **Deep Cracks (>5 mm):** Apply in multiple successive layers (allowing partial drying between layers) to prevent excessive shrinkage or sagging. Cure for 24 hours.

3. Important Precautions & Limitations

- **Structural Movement:** Designed for static/dormant cracks or minor dynamic cracks. Moving structural settlement cracks must be structurally addressed prior to cosmetic filling.
- **Water Immersion:** Do not use for continuous water-immersion applications (such as swimming pools or tanks) unless overcoated with a certified waterproofing membrane.
- **Rain Protection:** Protect fresh applications from direct rain exposure or running water for at least 6 to 12 hours until the surface skin sets.