

Kesari Zero-Damp

Kesari Zero-Damp is a high-performance, single-component, fiber-reinforced elastomeric acrylic liquid waterproofing coating. Engineered specifically for exterior surfaces, building roofs, and terraces, it forms a tough, seamless, and elastic protective membrane that offers outstanding resistance to weathering, UV radiation, and moisture ingress.

1. Product Technical Overview & Specifications

Technical Parameter	Description / Specification
Product Name	Kesari Zero-Damp
Nature / Form	Single-component, self-priming elastomeric acrylic liquid with micro-fibers
Packaging Sizes	Available in 1 kg, 5 kg, and 25 kg containers
Shelf Life	12 months in ideal, unopened storage conditions
Elongation (ASTM D 412-02)	~300%
Tensile Strength (ASTM D 412-02)	2.9 N/mm ²
Crack Bridging Ability (ASTM C 836)	Passes widths greater than 2 mm
Adhesion Strength (ASTM D 4541)	2.3 N/mm ² (with concrete failure)
Solids Content	50% to 55%
Core Functions	Terrace/roof waterproofing, exterior vertical wall protection, damp-proofing, and carbonation barrier.

2. Recommended Areas of Application

- Flat and sloping building roofs and concrete terraces
- Exterior masonry surfaces, concrete, and cement-sand renderings
- Parapet walls, vertical exterior walls, and rain-lashed facades
- Asbestos roofing sheets

3. Core Application System & Execution Protocol

STEP 1: Surface Preparation

- Ensure all application surfaces are structurally sound, dry, and entirely free from oil, grease, dust, loose particles, decayed matter, moss, algal growth, and laitance.
- Perform mechanical cleaning using wire brushes or high-pressure water jets, followed by thorough vacuum cleaning of loose residues. Treat fungal/algal growth with a biocide wash.
- Repair all surface imperfections, honeycomb zones, and structural cracks using **Kesari Flexi Proof** polymer-modified mortar or **Kesari Crackfiller**.

STEP 2: Self-Priming Coat

- Prepare the priming mixture by diluting **Kesari Zero-Damp** with clean potable water by **30% by volume**.
- Apply one uniform self-priming coat across the entire prepared substrate using a brush or roller.
- Allow the prime coat to cure and dry completely for at least **3 to 4 hours**.

STEP 3: Topcoat Application (Membrane Buildup)

- **First Coat:** Apply a layer of **Kesari Zero-Damp** strictly **undiluted** uniformly using a brush or roller. Allow to dry for 4 to 6 hours.
- **Second Coat:** Apply the second coat of undiluted Kesari Zero-Damp perpendicularly (at a 90-degree angle) to ensure a pinhole-free, continuous membrane.
- **Coverage & Curing:** Yields approximately 20 to 25 sq. ft. per kg for a complete 2-coat system over a self-primed surface. Allow to air cure fully for 7 days.

4. Important Precautions & Limitations

- **Rain Restrictions:** Do not apply Kesari Zero-Damp if rain is forecasted or during active rainfall.
- **Temperature Limits:** Avoid application under extreme high or low temperature conditions outside normal standard construction parameters.
- **Safety Gear:** Always wear recommended PPE including hand gloves, safety goggles, and masks during application. Rinse with cold water in case of contact.