

Kesari Cool-Roof

Kesari Cool-Roof is a premium, transparent, UV-resistant, ready-to-use liquid waterproofing membrane. Specially formulated to provide invisible weather protection, it creates a seamless, flexible barrier that prevents moisture ingress without altering or hiding the original aesthetic, texture, or appearance of natural stone, exposed brick, exterior plastered walls, and tiled surfaces.

1. Product Technical Overview & Specifications

Technical Parameter	Description / Specification
Product Name	Kesari Cool-Roof
Nature / Form	Single-component, ready-to-use transparent liquid waterproofing membrane
Color / Finish	Transparent (clear), gloss-to-semi-gloss protective film preserving natural aesthetics
Packaging Sizes	Available in 5 kg and 20 kg containers
Shelf Life	12 months in unopened, original containers stored in cool, dry conditions
UV Resistance	High resistance to ultraviolet degradation, preventing yellowing, chalking, or peeling
Core Functions	Transparent exterior waterproofing, masonry protection & tile joint sealing without visual alteration.

2. Recommended Areas of Application

- **Exposed Architectural Surfaces:** Natural stone facades, face-brick walls, and exposed architectural concrete.
- **Exterior Walls:** Plastered and painted exterior walls prone to wind-driven rain penetration and dampness.
- **Balconies & Terraces:** Clear waterproofing layer over existing sound tile finishes where maintaining tile appearance is desired.
- **Parapets & Podium Edges:** Vertical and horizontal masonry elements requiring invisible weatherproofing.

3. Comprehensive Application System & Execution Protocol

Step 1: Surface Preparation • Ensure substrate is structurally sound, completely clean, and free from dust, dirt, efflorescence (salt deposits), oil, grease, algae, fungus, or previous curing compounds. • Fill all cracks, gaps, or structural joints using a suitable transparent or matching sealant/mortar. Allow full cure. • Ensure the surface is completely dry prior to application to prevent blistering or haziness.

Step 2: Priming & Suction Sealing

- On highly porous substrates, apply a diluted first coat of Kesari Cool-Roof to seal suction pores and ensure uniform film build across the surface.

Step 3: Multi-Layer Application Protocol

- **First Coat:** Stir thoroughly before use. Apply uniformly using a soft-bristled brush, roller, or low-pressure spray equipment. Work evenly into pores and textures.
- **Second Coat:** Allow first coat to dry tack-free (~4 to 6 hours). Apply second coat in a **perpendicular direction (90 degrees)** to guarantee a continuous, pinhole-free barrier.
- **Curing:** Allow system to cure undisturbed for 24 to 48 hours. Avoid water exposure or mechanical abrasion during the initial cure.

4. Important Precautions & Limitations

- **Moisture Limitation:** Do not apply on wet substrates or if rain is forecasted within 6 hours. Trapped moisture causes cloudiness or delamination.
- **Temperature Range:** Apply only when ambient and substrate temperatures are between +10°C and +40°C.
- **Safety Gear:** Use in well-ventilated areas. Wear appropriate personal protective equipment (PPE) including safety glasses and gloves.