

Kesari White Armor PU

Kesari White Armor PU is a high-performance, flexible protective and waterproof liquid coating designed to deliver an elastic, impermeable, and durable membrane. Engineered with advanced polymer formulations, its bright white finish offers excellent solar reflectivity alongside robust protection against moisture intrusion, chemical attacks, and weathering.

1. Product Technical Overview

Technical Parameter	Description / Specification
Product Name	Kesari White Armor PU
Nature / Form	Single-component, cold-applied liquid waterproof coating
Color	Bright White (solar heat reflection & aesthetic versatility)
Packaging Sizes	Available in 1 L, 5 L, 10 L, 20 L, and 30 kg containers
Shelf Life	6 months in original, unopened containers in dry conditions
Core Functions	Waterproofing for terraces, roofs, masonry surfaces, concrete structures, and retaining walls.
Key Advantages	Cold applied, seamless membrane, elastic/flexible crack-bridging, vapor barrier, and chloride/sulfate resistance.

2. Core Application Systems & Execution Protocol

STEP 1: Surface Preparation

- Ensure all target substrates are structurally sound, clean, and completely free from dust, oil, grease, laitance, and loose particles.
- The surface may be damp, but **must not be water-saturated** (Saturated Surface Dry / SSD condition).
- Repair honeycombs, large cracks, or surface defects using suitable polymer-modified repair mortars prior to application.

STEP 2: Priming Coat

- Stir the product thoroughly before use.
- Prepare the primer by diluting Kesari White Armor PU with clean water (typically 1 part material to 1–2 parts water depending on substrate porosity).
- Apply one uniform coat of the diluted mixture as a primer across the prepared surface using a brush or roller to seal suction and maximize adhesion. Allow it to dry completely.

STEP 3: Topcoat Application (Waterproofing Membrane)

- **First Coat:** Apply Kesari White Armor PU neatly or with minimal recommended dilution (up to 15–25% if required for workability) using a brush or roller.
- **Reinforcement:** For superior performance on critical zones like roof joints or angles, embed a glass-fiber reinforcement mesh into the first coat while still wet.
- **Second Coat:** Once the first coat is completely dry and cured, apply the second coat perpendicularly (at a 90-degree angle) to ensure uniform pinhole-free coverage.
- **Coverage:** Yields approximately 3 to 4 sq. meters per kg for a complete 2-coat application over a primed surface.

3. Important Precautions & Limitations

- **Solvent Restriction:** Do not mix or dilute Kesari White Armor PU with organic solvents. Use clean potable water only.
- **Protection Screed:** On roof and terrace applications subject to regular foot traffic, protect the final dried waterproofing membrane with an appropriate protective screed or tiles.
- **Weather Guard:** Protect fresh applications from direct rain exposure until the film has dried and cured thoroughly.