

Kesari Hydrostop Ultra

Kesari Hydrostop Ultra is a high-performance, two-component polymer-modified cementitious waterproof coating system. Designed for critical waterproofing and negative/positive hydrostatic pressure resistance, it combines the structural durability of cement with advanced flexible polymer technology to form a seamless, tough, and impermeable barrier over concrete and masonry surfaces.

1. Product Technical Overview & Specifications

Technical Parameter	Description / Specification
Product Name	Kesari Hydrostop Ultra
System Type	Two-component cementitious waterproofing coating (Liquid Polymer + Cementitious Powder)
Color / Appearance	Grey / Off-White slurry blend
Pot Life	Approx. 30 to 45 minutes at 30°C
Hydrostatic Pressure	Withstands high positive and negative water pressure without delamination
Core Functions	Heavy-duty waterproofing for water retaining structures, basements, wet areas & foundations.

2. Recommended Areas of Application

- **Water Tanks & Reservoirs:** Internal and external walls of overhead and underground drinking water tanks.
- **Wet Areas:** Bathrooms, toilets, kitchens, and utility balconies prior to tiling.
- **Sub-structures:** Basements, retaining walls, lift pits, and foundation walls prone to dampness or negative water pressure.
- **Podiums & Terraces:** As a concealed waterproofing layer beneath protective screeds.

3. Comprehensive Application System & Execution Protocol

Step 1: Surface Preparation & SSD Condition

- Ensure concrete or masonry substrate is structurally sound, clean, and free from oil, grease, wax, dust, loose particles, paint residues, or laitance.
- New concrete surfaces must be fully cured (min. 28 days). Repair honeycombs, bug holes, and cracks using Kesari repair mortar.
- Thoroughly saturate the surface with clean water to achieve a **Saturated Surface Dry (SSD)** condition. Eliminate standing pools of water.

Step 2: Precise Mixing Procedure

- Hydrostop Ultra consists of a liquid polymer and reactive powder component. Always mix complete packs to maintain exact chemical ratios.
- Pour liquid into a clean vessel, slowly add powder under continuous mechanical stirring using a slow-speed heavy-duty mixer (~400-500 RPM) with a paddle.
- Mix for 3 to 5 minutes until uniform and lump-free. Let stand undisturbed for 5 minutes for air release. Do not add extra water.

Step 3: Multi-Layer Application Protocol

- **First Coat:** Apply uniformly using a stiff-bristled brush or roller across the prepared SSD substrate. Ensure complete coverage into corners and joints. Allow 6-8 hours drying time.
- **Second Coat:** Apply the second coat in a **perpendicular direction (90 degrees)** to the first coat for complete pinhole-free coverage.
- **Curing & Protection:** Air-cure for 3 to 5 days, keeping damp if needed. Protect dried membrane immediately with a cement-sand screed or tile layer in foot-traffic areas.

4. Important Precautions & Limitations

- **Pot Life:** Never attempt to remix or dilute hardened material with water once pot life (~30-45 mins) has lapsed.
- **Temperature Range:** Do not apply if ambient temperatures drop below 10°C or exceed 40°C, or during direct heavy winds/sun glare causing flash-drying.
- **Safety Gear:** Wear standard industrial safety gear, rubber gloves, and eye protection. Avoid direct skin and eye contact with wet cementitious mixtures.