



InnoChem
Smart Solutions, Strong Foundations

1ST FLOOR, GALA NUMBER 119, VAPI CO-OP INDL SOCIETY, GIDC, PLOT NUMBER 99, VAPI, VALSAD 396195.

InnoChem 2K

PROTECT. FLEX. LAST.

1.DESRIPTION

InnoChem 2K is a flexible, acrylic cementitious waterproofing and protective coating. It is a polymer-modified blend made from high-quality Portland cement, carefully selected and graded aggregates, performance-enhancing additives, and an acrylic emulsion polymer. The product is ideal for waterproofing and safeguarding concrete and masonry surfaces.

Areas of Application

- Perfect for waterproofing bathrooms, kitchen sinks, balconies, and other wet areas.
- Well-suited for use on roofs, chhajjas, canopies, and similar structures.
- Effective as an internal waterproofing solution for domestic water tanks.
- Can be applied on damp interior walls and concrete surfaces due to its strong adhesion.

2.FEATURES AND BENEFITS

- 1.Forms a flexible and long-lasting protective coating.
2. Suitable for positive-side waterproofing, owing to its exceptional bonding capability.
3. Adheres strongly to concrete and masonry substrates.
4. Provides outstanding resistance against water ingress.
5. Complies with standards for contact with potable water.



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3.APPLICATION PROCESS

3.1. Surface Preparation

- Clean the surface thoroughly using mechanical methods to remove loose particles, laitance, and other contaminants.
- If oil or grease is present, degrease the surface using appropriate solvents, rinse with a water jet, and allow it to dry to a touch-dry condition.
- Repair any surface irregularities, cracks, or voids using a cement-sand mortar.
- Ensure the surface is in a Saturated Surface Dry (SSD) state—damp but free from standing water—before proceeding with the application.

3.2. Mixing

- Shake the liquid component thoroughly until it reaches a uniform, milky appearance.
- Use a heavy-duty, slow-speed mechanical mixer with a suitable paddle for combining the two components.
- In a mixing container, gradually add the powder component to the liquid while stirring continuously. Keep stirring until a smooth, lump-free, and homogeneous slurry is achieved.

3.3. Application

- Ensure that all pipe inserts or sanitary fittings are properly installed and grouted using suitable products before beginning the application.
- Complete all plumbing and sanitation work prior to applying InnoChem 2K. Pre-wet the surface thoroughly with water, then allow it to reach a touch-dry state. Apply the first coat using a stiff nylon brush, working the product well into the substrate to ensure that any minor surface undulations are fully filled with the coating.
- Lay a 50 gsm glass fiber mesh over the angle fillet while the first coat is still wet. Apply the second coat 6 to 8 hours after the first coat, ensuring it is applied in a direction perpendicular to the first.
- Allow the application to air-cure for 3 to 5 days. To protect the coated surface from direct sunlight, cover it with a moist hessian cloth. For bathrooms and internal areas, avoid water curing and let the coating cure for at least 3 to 5 days.



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- In new bathrooms, apply InnoChem 2K over the sunken slab area and up the masonry walls to a height of 6 to 7 feet, covering the splash zone of the shower to ensure complete waterproofing.
- For vertical bathroom walls, ensure the internal plaster is treated with InnoChem LWS. Apply two coats of InnoChem 2K over the shower area, sprinkling coarse quartz sand on the second coat while it is still wet. This will provide a rough surface for the application of subsequent tile adhesives.

4.PRECAUTIONS

- Do not mix only part of the components. Mix the full quantity of both components at once.
- Do not dilute the product.
- Always add the powder to the liquid to prevent lump formation.
- Avoid curing by flooding with water.
- Use moist hessian cloths for curing the membrane.
- Perform the pond test for water tightness only after 3 to 5 days of complete and proper curing.
- Do not apply on metal or wooden surfaces, bituminous coatings, areas exposed to traffic, or uncovered swimming pools.
- For bathrooms and wet areas, ensure the waterproofing is applied to a level surface, not directly onto brick or block walls. The brick/block surface and joints should be leveled with a thin coat of polymer-modified mortar.

5.AREA OF APPLICATION

- Bathroom Floor
- Terrace and rooftop
- Balcony
- Basement
- Swimming pools
- Parking deck, washroom, and common areas
- Any other concrete, cement, or surface subject to damage from moisture.



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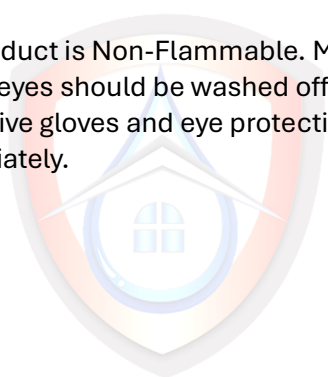
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6. TECHNICAL DETAILS

Color of pack part A (liquid)	Milky White
Color of pack part B (powder)	Grey
Color of hardened coating Workable time at 27°C	Cement like Grey
% of elongation @ 14 days	30 minimum
Coverage	75 sq ft per 15 kg kit
Initial cure at 27°C for pedestrian traffic	After 24 hours
Full cure	7 days

7. HEALTH AND SAFETY.

The product is Non-Flammable. Make sure to avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water. It is advisable to wear mask when mixing. Wear protective gloves and eye protection when applied. In case of ingestion seek medical advice immediately.



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**Product information given by company is shared in good faith for better understating of the product. It is meant to be used as a general guideline. There is no guarantee or warrantee undertaken if the output varies. These things depend on the applicator, the type of surface and other on-site related factors. We strongly recommend that the user does trials prior to full scale usage. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of products.