



## Latex Shield 2K

Two component cementitious waterproof coating

**Product composition:** Latex Shield 2K is a two component polymer modified cementitious waterproof slurry mortar consisting of a liquid polymer and a cement based mix incorporating graded aggregates and additives. It is applied to concrete and mortar. On curing, it forms an excellent waterproof and protective elastomeric layer over the surface and thus prevent water infiltration.

### USP

Features	Benefits
Usability	Pre-batched components - slurry/trowellable consistency-mix and apply easily
Water permeability	Remarkable resistance towards ingress of water
Adhesion	Excellent adhesion to concrete, natural and artificial stone
Temperature Resistance	Enhanced resistance to freeze-thaw cycles and de-icing salts
Carbonation	Prevents concrete carbonation
Diffusion	Resistance to chloride ion diffusion
Waterproofing	Waterproof for concrete structures
Slip Resistance	Imparts slip resistance to the applied surface
Flexibility	Provides excellent flexible coating
Corrosion Protection	Non corrosive to steel and iron

### Usage area

Latex Shield 2K is used for interior and exterior waterproofing and damp-proofing of old or new concrete, cementitious rendering, brickwork and blockwork. Exterior waterproofing of basement retaining walls in new construction and refurbishment. Sealing internal basement walls against dampness. Water tanks and swimming pools. Concrete floor and roof slabs, floors, balcony, bathroom floors. Bridge decks, canals, sewage treatment areas etc. Waterproof bottom coating for tiles, granite, marble and other natural stones.

### DIRECTIONS FOR USE

**Surface preparation:** The surface to be applied should be clean and sound, free from any kind of contamination and dirt. Thoroughly wire brush the surface and clean the dust by air compressor or by water jetting. Oil and grease must be removed using degreasing solvents. Any damaged surface must be repaired by using crack fillers or polymer modified repair mortar. Finally the substrate must be properly pre-wetted to a saturated surface-dry condition.

**Mixing:** Shake the liquid component well to a homogeneous milky colour. Transfer the entire quantity of liquid component before mixing into a suitable clean mixing container. Gradually start the addition of powder component while constantly mixing with a stirrer using a pneumatic or electric power tool (kw) at slow speed at 250-300 rpm for 3-5 minutes to a homogeneous and uniform free flowing slurry.

#### Application:

**On concrete slabs and roof slabs** apply two coats of mixed slurry to the set concrete @ 1.5-2.1 Kg/m<sup>2</sup> by a masonry brush, roller or appropriate power spray equipment.

**As a slurry coat** apply slurry coat of mixed material for two coats at a coverage rate of 1.5 Kg/m<sup>2</sup> over the set concrete slab by a masonry brush or appropriate power spray equipment.

**Water tanks and Swimming pools** Two coats of Latex Shield 2K applied @ 1.5-1.7 Kg/m<sup>2</sup> per coat by a masonry brush or an appropriate power spray equipment.

**Pile Heads** Two coats of mixed slurry to be applied on to the pile head @ 0.75-0.9 Kg/m<sup>2</sup> first coat and 1.2-1.5 Kg/m<sup>2</sup> second coat either by a masonry brush or by appropriate power spray equipment.

**Marbles/Stones** It is recommended to apply one coat to the bottom of the marble @ 1.5 mm thick at a coverage of approximately 1.75-2 Kg/m<sup>2</sup>. All applications where two coats are specified, the second coat should be applied when the first coat is completely dried.

**For Over-coating** Allow the second coat to harden for at least 3 days prior to over-coating. The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.

**Mixing Ratio:** Part A (Liquid) : Part B (Powder) = Approx. 1 : 1.5 (by vol.); 1 : 2 (by wt.)

**Usage precautions:** Do not mix part quantities. Do not add extra water for dilution. Always add powder to the liquid, vice-versa not recommended. Do not add cement or sand in the powder component at site. Do not expose the applied substrate to water until it is complete cured. Must be protected from direct sunlight, foot traffic etc. at the green stage of application.

## TECHNICAL DATA

Properties	Specifications
Appearance and Colours	Part A : White Liquid
	Part B : Cementitious grey powder
	Part A+B : Grey slurry
Mixed Density @ 25°C	Around 1.65 gm/cc
Workability @ 30°C	Around 1 hour
Tensile strength (ASTM D882-12)	Around 0.5 N/mm <sup>2</sup>
Elongation at break (ASTM D882-12)	Around 50%
UV Resistance of the cured coating (ASTM D4587-11)	> 500 hours

## PRODUCT INFORMATION

1	<b>Shelf life</b>	Best before 12 months from the date of manufacturing in original packed condition.	5	<b>Health and Safety Precautions</b>	While using Latex Shield 2K use rubber hand gloves, dust mask and safety goggles.  Latex Shield 2K is alkaline and contact with skin or eyes should be avoided. In case of any contact with eyes, they should be washed immediately with clean water and seek medical advice.
2	<b>Storage</b>	Store under cover, away from direct sunlight and protect from extreme environment. In hot temperature conditions, it must be stored in a temperature controlled atmosphere around 30°C.			
3	<b>Coverage</b>	As mentioned in the method of application section.			
4	<b>Packs</b>	3 Kg, 15 Kg.			

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