

# K2 SMARTCOAT

Heavy Duty Fibre Reinforced Acrylic Polymer Based Elastomeric Waterproof Coating for Terrace

## Description:

K2 SMARTCOAT is a ready to use, heavy duty, and high build flexible terrace waterproof coating which contains specially developed highly elastic & resilient acrylic polymers, and ensure waterproofing. It is a three – layer system provides extremely tough decorative waterproofing coating.

## Area of Application:

- Coating for concrete and plaster surface
- Building slab, roofs, terraces, sloping and horizontal surfaces.

## Benefits:

- Single pack, ready to use.

- Easily apply by brush & roller.
- Excellent flexibility-Crack bridging ability up to 2mm width.
- Excellent bonding with cement base substrates.
- UV, weather & abrasion resistant.
- Resistance to fungus and algae.
- Allows the surface to breathe.
- Highly elastic & resilient coating so helps to withstand the structural movements.
- Protective waterproof coating.
- Nontoxic & harmless to hands.

## Technical Properties:

Properties	Results
Appearance	White viscous liquid
Nonvolatile content	65-70 %
Water permeability(Depth of penetration at 5 bar pressure)	6, Excellent
UV resistance	Excellent, No thermal degradation
Adhesion strength	0.9 N/mm <sup>2</sup>
Algae & fungus resistant	No algae & fungus growth
Crack bridging	No cracks up to 2 mm width
Adhesion to concrete, 28 days	2.74 N/mm <sup>2</sup>

## Application Instruction:

### SURFACE PREPARATION

- The Surface should be sound and clean, free from dust, grease, oil, loose material, paint etc.
- Clean the surface thoroughly with a wire brush or shot blasting if require and remove the loose particles.
- Repair the surface cracks up to 5 mm by K2 Krackseal Paste.
- Cracks more than 5 mm should be repaired by K2 Bond SBR modified mortar.

- All new cement, sand renderings/concrete surfaces should be allowed to age 6 to 8 weeks before surface coating.

### PRIMER COAT

- The Surface should be in SSD condition before priming.
- Dilute 2 parts of K2 UNIPRIME with 1 part of water.
- Allow primer to dry for at least 4 – 5 hours.
- Apply with brush or roller.

## **APPLICATION PROCESS**

- Use K2 SMARTCOAT directly from the container, Stir the container well before use.
- Apply the first coat of K2 SMARTCOAT without any dilution by brush or roller.
- Should be applied in one direction only, allow the coating to dry for 4-5 hours.
- The second coat should be applied in the **Right Angle** direction to the first coat. Allow it to dry for 4-5 hours.
- Apply the third coat in the direction of the first coat and allow it to air dry completely.
- In larger roofs, an open woven glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat. While the 1st coat is still wet, place the fibre mesh on it. The second coat should be applied in the direction perpendicular to the first coat. Allow it to dry for 4-5 hours. Apply the third coat in the direction of the first coat and allow it to air dry completely.
- Minimum three coats are recommended.
- Allow the coating for dry and cure for minimum 7 days.

## **Precautions:**

- K2 SMARTCOAT does not apply on wet and damp surface.
- Do not apply when ambient temperature is

below 10°C or above 45°C.

- Do not apply in direct sunlight or during rain.
- Do not dilute with water.

## **Cleaning:**

- Clean tools, equipment and hands with K2 SOFTCLEAN and warm water, immediately after use.

## **Coverage:**

- Coverage will be 10 to 11 Sq ft/ litre/ 3 coat.
- For a Two coat application achieving DFT of 650 to 800 microns & three coat application achieving DFT of 800 to 1000 microns.
- The coverage may vary depending on the substrate condition.

## **Packing:**

K2 SMARTCOAT is available in 4 Liters and 20 Liters Pack.

## **Shelf Life and Storage:**

K2 SMARTCOAT has a shelf life of 12 months in unopened packs, if kept in a cool and dry store, away from sun heat.

## **Technical Support:**

The company provides a technical service supported by the team of specialist applicators in the industry.

## Important Note:

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