

## UC2 TECHNICAL SPECIFICATION

### Cement Insulation Paint for Water Tanks and Swimming Pools

#### UC2 Product Description:

- UC2 is Dark Gray Colored Paint.
- Waterproof, Resistant to Salty water, Soil Acidity, sulfuric water and other natural erosion factors.
- Made out of advanced natural chemical compound.
- Eco-friendly, Antibacterial & Non-flammable. Composed of ceramic, marble, Aluminum Oxide and other components to be mixed with water based Silicon and clean water.
- It works as water repellent preventing the absorption of water & humidity and protects the concrete from decaying and aging.

#### Standard Application:

UC2 Used to Paint all kinds of Concrete surfaces, Concrete Tanks, Septic Tanks, Swimming Pools prior tiling, Sheer Walls, Manholes & Building Foundations, Toilets floorings before tiling, and ... others.

#### Mixing Method:

1. Inside the Pail there are 2 packages ( one Powder and the other Liquid)
2. Pour 6 liters of clean water (to fill up till the mark inside the pail)  
*Note: 10% more of the water quantity can be added to the mixture during Hot weather (35° and above)*
3. The Powder component should be added gradually and mixed thoroughly for 2 minutes by using electrical mixer.
4. Add the whole quantity of the Liquid Silicon to the mixture and mix thoroughly for 7 to 10 minutes using electrical mixer.
5. The mixture should be left to rest for 10 minutes after mixing and before the application.





**Surface preparation Method:**

- The Surface must be cleaned by water pressure to remove any impurities and dust.
- Scrub and clean entirely any bitumen, Fungus, oil, paint, algae, cement or rust if found on the surface.
- Any structural cracks (due to structural movement or weakness) in concrete should be treated prior applying UC2.
- In case of any wholes or exposed reinforcement steel bars found, they should be treated properly before applying UC2.
- The surface must be made wet before starting UC2 paint job.

**UC2 General Information:**

- The Thickness of each paint layer should not exceed 250 micron to avoid cracks in more thick paint layers.
- Protect the painted surfaces form water for a period of 12 to 24 hours (depending on the surrounding temperature) for UC2 to get hardened and adhere to the paint surface.
- UC2 will get its maximum hardness levels within 10 days of the paint job in a moderate temperature area.
- It is restricted to add any other component to UC2 mixture rather than the recommended required water quantities.
- It is restricted to apply UC2 paint to un-cured concrete.
- UC2 mixture must be applied within a maximum period of 120 minutes otherwise it will get hardened.
- One pail of UC2 can be applied for at least 40m<sup>2</sup> (made of 3 layers) on concrete fair surface.

**Total thickness is 600 micron for the 3 layers.**

- Each next layer of UC2 paint should be applied within 1 hour from finishing the previous one.
- UC2 can be painted using paint rollers or by Air-Brushing on the concrete surfaces.

**Notes:**

- When using the paint rollers to apply UC2 on the concrete surfaces, the first layer will consume a doubled quantity than the second and the third layers and the Pail will cover at least 25m<sup>2</sup> of the area.
- The UC2 mixture must not be painted if the temperature is less than 3° or higher than 47°.
- UC2 is suitable for all Climates (Tropical, Subtropical, Mediterranean and Desert,...)
- The Gross Weight of each UC2 pail is 20kg. (made of 1 pack 5kg of silicon and another pack of 14.5kg of the powder Compound)
- UC2 should be stored in a dry area away from direct sunlight and away from children.
- UC2 is Eco-Friendly, Antibacterial, Non-Flammable, Odorless and Not Harmful. (If stuck to the hands, it can be cleaned by Alcohol).



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