

# UC5 TECHNICAL SPECIFICATION

## Concrete Insulation Paint

### UC5 Product Description:

- UC5 is cement colored (Portland cement or Off White Cement) Paint.
- Waterproof, Resistant to Salty water, Soil Acidity, sulfuric water and other natural erosion factors.
- It protects concrete.
- 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 cools the concrete using an aero-physical action.

### Standard Application:

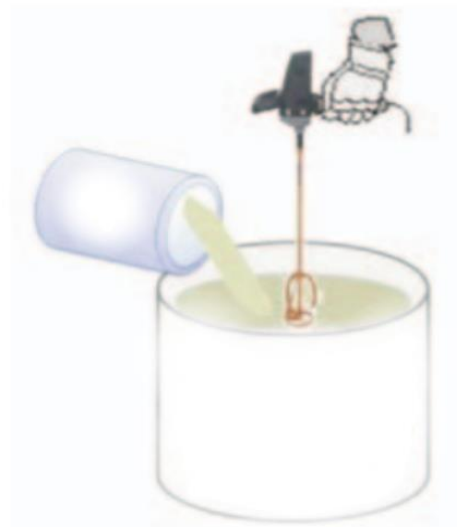
UC5 Used to Paint all kinds of Fair Faced Concrete for Bridges, Tunnels, Road barricades, Buildings, Seaports Concrete.

### 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 UC5.
- In case of any wholes or exposed reinforcement steel bars found, they should be treated properly before applying UC5.
- The surface must be made wet before starting UC5 paint job.



### UC5 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 from water for a period of 12 to 24 hours (depending on the surrounding temperature) for UC5 to get hardened and adhere to the paint surface.
- UC5 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 UC5 mixture rather than the recommended required water quantities.
- It is restricted to apply UC5 paint to uncured concrete.
- UC5 mixture must be applied within a maximum period of 120 minutes otherwise it will get hardened.
- One pail of UC5 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 UC5 paint should be applied within 1 hour from finishing the previous one.
- UC5 can be painted using paint rollers or by Air-Brushing on the concrete surfaces.

### Notes:

- When using the paint rollers to apply UC5 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 UC5 mixture must not be painted if the temperature is less than 3° or higher than 47°.
- UC5 is suitable for all Climates (Tropical, Subtropical, Mediterranean and Desert,...)
- The Gross Weight of each UC5 pail is 20kg. (made of 1 pack 5kg of silicon and another pack of 14.5kg of the powder Compound)
- UC5 should be stored in a dry area away from direct sunlight and away from children.
- UC5 is Eco-Friendly, Antibacterial, Non-Flammable, Odorless and Not Harmful. (If stuck to the hands, it can be cleaned by Alcohol).

