

UC1 COLORS

TECHNICAL

SPECIFICATION

External Waterproof and

Thermal Insulation Paint

Product Description:

UC1 COLORS is *Earthy toned Colored* Thermal Insulation, waterproofing, Anti-leakage and Non-Flammable paint; made from advanced natural chemical, eco-friendly, anti-bacterial and non-flammable compound made out of Ceramic, marble, Aluminum Oxide and other components to be mixed with water based silicon and clean water.

UC1 COLORS Decreases the temperature by 20% for Concrete Surfaces and 40% for Steel Surfaces, by decreasing the absorption of heat and reflecting the heat in an aero-physical action.

Standard Application:

UC1 COLORS is used for painting outside Walls of all kinds of Concrete and Steel Surfaces cement boards and Metal, Steel &Galvanized Steel Sheets.

Mixing Method:

1. Inside the pail there are two packages: Colored Powder and Liquid Silicon ones.
2. Pour 6 liters of clean water (till the filling mark inside the pail).
 - a. *Note: 10% more of the water quantity can be added to the*

mixture during Hot weather (35° and above)

3. The Colored 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 minutes using electrical mixer.
5. The mixture should be left to rest for 10 minutes after mixing and before the application.



Outside Walls preparation

Method:

- The Surface of the walls 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 found in the walls for any reasons must be treated prior applying UC1 COLORS.
- The surface must be made wet before starting UC1 COLORS paint job.



UC1 COLORS General Information:

- The Thickness of each paint layer should not exceed 250 micron to avoid cracks due to more thick paint layers.
- Protect the Painted Surfaces from water for a period of 12 to 24 hours (depending on the surrounding temperature) for UC1 COLORS to get hardened and adhere to the paint surface.
- UC1 COLORS 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 UC1 COLORS mixture rather than the recommended required water quantities.
- It is restricted to apply UC1 COLORS paint to un-cured concrete.
- UC1 mixture must be applied within a maximum period of 120 minutes otherwise it will get hardened.
- One pail of UC1 COLORS can be applied for at least 40m² (made of 3 layers) on concrete fair surface.

Total thickness is 600 micron for all 3 layers.

- One pail of UC1 COLORS can be applied for at least 50m² (made of 3 layers) on metal or steel surfaces.

Each layer thickness is 190 micron, due to metal less absorption ability.

- Each next layer of UC1 COLORS paint should be applied within 1 hour from finishing the previous one.
- UC1 COLORS can be painted using paint rollers or by Air-Brushing for the concrete surfaces. **It is recommended to apply it by Air-Brushing for Metal and steel surfaces.**

Notes:

- When using the paint rollers to apply UC1 COLORS on the concrete surfaces, the first layer will consume a doubled quantity than second and the third layers and the Pail will cover a least 40m² of the area.
- The UC1 COLORS mixture must not be painted if the temperature is less than 3° or higher than 47°.
- UC1 COLORS is suitable for all Climates (Tropical, Subtropical, Mediterranean and Desert,...)
- The Gross Weight of each UC1 COLORS pail is 20kg. (made of 1 pack 5kg of silicon and another pack of 14.5kg of the Colored powder Compound)
- UC1 COLORS should be stored in a dry area away from direct sunlight and away from children.
- UC1 COLORS is Eco-Friendly, Antibacterial, Non-Flammable, **Odorless** and Not Harmful. If stuck to the hands, it can be cleaned by Alcohol.

