



# UC8 TECHNICAL SPECIFICATION

## WOOD INSULATION COAT

### (Water Repellant, Anti-fungus, Fire Resistant)

#### UC8 Product Description:

- UC8 is a natural transparent Silicone coating for Wood.
- UC8 is Water & Moisture Resistant, Mold and Fungus Resistant, Protects from Decay, Flame resistant (Prevents the spread of fire for a certain period by idle chemical process (not forming incendiary drops).
- UC8 is Anti-slip on Wooden Parquet.
- UC8 is Advanced Natural Eco-friendly, Anti-bacterial, and non-inflammable Compound.
- UC8 consists of natural silicon and other Components.
- UC8 uses a Nano-physical process repelling water.
- UC8 forms an environment unsuitable for growth of fungi and mold on wood, and insect repellent. It is Flame Resistant, which slows the spread of fire & gains more time to fight and put-off the fire.

#### UC8 Standard Application:

- UC8 is used for all kinds of Wooden Structures such as wooden historical artworks, Wooden Buildings, Wooden Boats, Wooden Furniture for private and public use and infra structure wooden works, as well as for houses, apartments, offices, clinics,... etc.

#### UC8 Mixing Method:

- Add 10% of Clean Water to UC8 for all propose use.
- **Mix using Electrical Mixing Machine for 5 Minutes.**



#### Surface preparation Method:

- The Surface must be clean, dry and free from impurities and dust.
- Scrub and clean entirely any bitumen, Fungus, oil, paint, algae found on the surface.





### UC8 General Information:

- **UC8 must be applied on 3 Layers in all cases to get the desired results.**
- The moisture proportion in wood should exceed 15%.
- UC8 Effectively Resists natural flames (cold flames) which temperatures don't exceed 400° C (752 Fahrenheit) for solid wood (like Oak Wood) and the flame resistance drops to minimum 200° C (376 Fahrenheit) for light wood (White Pine Wood).
- UC8 Physical and Chemical Structure will not be affected by neither Heat nor Water.
- UC8 is Resistant to Salty Water (Sea Water), Oil, Sulfuric and normal Rain water.
- Make Sure that UC8 coat is completely covering all pores, holes, and corners during and after application.
- UC8 is Elastic with High Adhesion and have Smooth Coat Surface after being applied and completely hardened.
- The Thickness of each layer should not exceed 100 micron to avoid cracking.
- Each next layer of UC8 paint should be applied within 1 hour from finishing the previous one.
- Protect the painted surfaces form water for a period of 12 to 24 hours (depending on the surrounding temperature) for UC8 to get hardened and adhere to the surface.
- UC8 will get its maximum hardness levels within 3 days of the paint job in a moderate temperature area.
- It is restricted to add any other component to UC8 mixture rather than the recommended required water quantities.
- One pail of UC8 can be applied for at least 45m<sup>2</sup> (made of 3 layers) on wood surface.
- UC8 can be painted using paint rollers or by Air-Brushing. **While it is recommended to be Air-Brushed.**

### Notes:

- When using the paint rollers to apply UC8, the first layer will consume a doubled quantity than the second layer though the Pail will cover at least 45m<sup>2</sup> of the area.
- The UC8 mixture must not be painted if the temperature is less than 3° or higher than 47°.
- UC8 is suitable for all Climates (Tropical, Subtropical, Mediterranean and Desert,...)
- UC8 is resistant to UV and Sun light rays.
- The Gross Weight of each UC8 pail is 10kg.
- UC8 should be stored in a dry area away from direct sunlight and away from children.
- UC8 is Eco-Friendly, Antibacterial, Non-Flammable, **Odorless** and Not Harmful. (If stuck to the hands, it can be cleaned by Alcohol).

