

## Colorama HI1000WB

# INSUTHERM - WB

**INSUTHERM - WB** is a thin coat insulating material that is specially formulated to provide thermal protection for tanks, vessels, boilers and other equipment up to 180°C. **INSUTHERM - WB** provides a layer of coating with air-encapsulated particles in a super acrylic binder. The highly reflective particles entrap stagnant air in a structural matrix that effectively blocks thermal transfer.

**INSUTHERM - WB** is sprayed on as a combined paint and insulation system which gives protection to the substrates, as well as safeguarding personnel from burning accidents as well as preventing corrosion under insulation (CUI).

**INSUTHERM - WB** is an ideal heat insulation coating for storage tanks, vessels, as well as pipelines in many industries such as cement, petrochemical refining, food & beverage etc.

**INSUTHERM - WB provides:**

1. Good Adhesion to the substrate.
2. High Flexibility.
3. Excellent UV resistance.

**INSUTHERM - WB** should be applied in multiple layers from 250-500 microns. The standard DFT recommended is between 2000 to 3000 microns, depending on needed protection. It provides excellent personnel safety by protecting personnel from substrate burns and heat-related injuries.

**INSUTHERM - WB** maintains interior equipment temperatures, and therefore reduces energy loss, saves money and improves manufacturing efficiency.

### AREA OF USE

- Tanks
- Boilers
- Piping
- Heat exchangers
- Steam lines
- Processors

### BENEFITS

- Provides thermal insulation
- Adheres to most substrates
- Prevent CUI (Corrosion Under Insulation)
- Provides personnel protection
- Increases efficiency and saves energy
- Rapid application compared to conventional insulation

## Technical Data @25°C

<b>Finish</b>	Flat
<b>Colour Range</b>	White and Grey (other colours available upon request)
<b>Specific Gravity (Kg/L)</b>	0.48
<b>Solid Volume</b>	75% ± 2
<b>Dry Film Thickness range</b>	250-3000 microns
<b>Consumption (L/m<sup>2</sup>) @ 500 μ</b>	0.67
<b>Consumption (L/m<sup>2</sup>) @ 3000 μ</b>	4
<b>Surface Dry</b>	30 minutes
<b>Recoat Interval</b>	2 hours
<b>Application Method</b>	Airless Spray
<b>Elongation</b>	>30
<b>Thermal Conductivity</b>	0.07–0.25 W•m-1•K-1 @ 20°C
<b>Shelf Life</b>	1 year

## Application Procedure

- Substrate should be properly prepared and blast cleaned to ISO-Sa2½
- A suitable primer (Primapox Zinc 2K, Primapox GYM, Silprotect or Primabuild - ST) should be applied before INSUTHERM - WB.
- INSUTHERM - WB should be applied after primer has dried, preferably next day.
- INSUTHERM - WB should be applied in multiple passes of 250-500 microns to reach the required DFT- four to six passes of 500 microns.
- Each layer should be left to dry for 2 hours before next layer is applied.

## Application Conditions

Substrate temperature should be 10°C or above for application and during cure and a minimum of 3°C above the dew point. Adequate dry air ventilation is recommended for optimum drying.

## Storage

Keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

## Packing Size

15L