

M168 Anti Rust & Thermal Insulation Paint



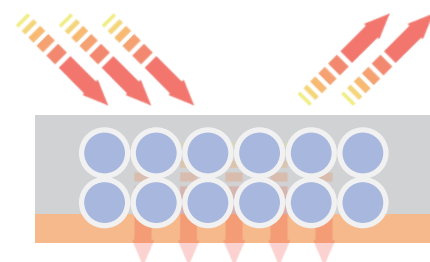
Saving Money & Energy

"How to Save Energy & Lower the Electricity Bills" is always a big conversation topic in the summer while consumer energy expenses are increased day by day.

Our M168 is designed not only to keep the building from the heat, but also reflect it, the insulation and reflective properties provide a built-in thermal barrier against the heat, and a way to reduce the electricity expenses.

Theory

- Nano-silica creates a tightly packed dried film with minimal paths for heat transfer, and resulting in very efficient thermal barrier.
- The Nano coating barrier reflects up to 94% of the heat back to the source.
- It owned special chemical reaction can improve rust and chemical resistance.



Schematic Diagram

Extend Metal Roof Effective Duration

Corrosion is the gradual destruction of material, usually metals, by chemical reaction with its environment, especially in moist area.

It degrades the useful properties of materials and structures including strength, appearance and permeability of liquids and gases. It can be partial centralized to form a pit or crack, or it can spread into a wider area in the surface. Anti-rust & thermal insulation paint is not only a method to reduce the chemical reaction activity of the expose surface, but also increase the resistance of corrosion.

Method of Application

Clean surface

- Use high pressure washer to remove dust, paint, oil, grease, laitance or any other surface contaminants.
- Remove corrosion with steel brush.

Usage

- Apply M168 directly on bare substrate with brush or spray.
- Apply 2 coats. Allow to dry 2 hours between coats.

Application

- Metal roof, ex: factory, warehouse, residence, poultry and livestock farm, etc.
- Cement fiber board.
- Container.



Clean Surface
with High Pressure Washer



Spray Anti-rust &
Thermal Insulation Paint



Finished Metal Roof



Finished Metal Roof

Test Data	
Weather Resistance (UV, 1000h)	No crack No peeling
Thermal Conductivity	0.1924 W/m·K
Total Solar Reflectance	> 94%
Adhesion Strength	40 kgf/cm ²
Thermal Resistance (140°C, 24h)	No blistering No swelling No peeling
Acid Resistance (10% H ₂ SO ₄ 24h)	No abnormality
Alkali Resistance (10% Na ₂ CO ₃ 24h)	No abnormality

Features & Benefits

- Heat-resistant.
- Anti-corrosion.
- Applies easily with roller or spray.
- Lowers the indoor temperature.
- Quick-setting, non-shrinking, permanent.
- Excellent durability.
- Cost effective.
- UV resistance
- Eco-friendly with VOC free.

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