

HP NanOKool

Nano-Additized Solar Reflectance Coating



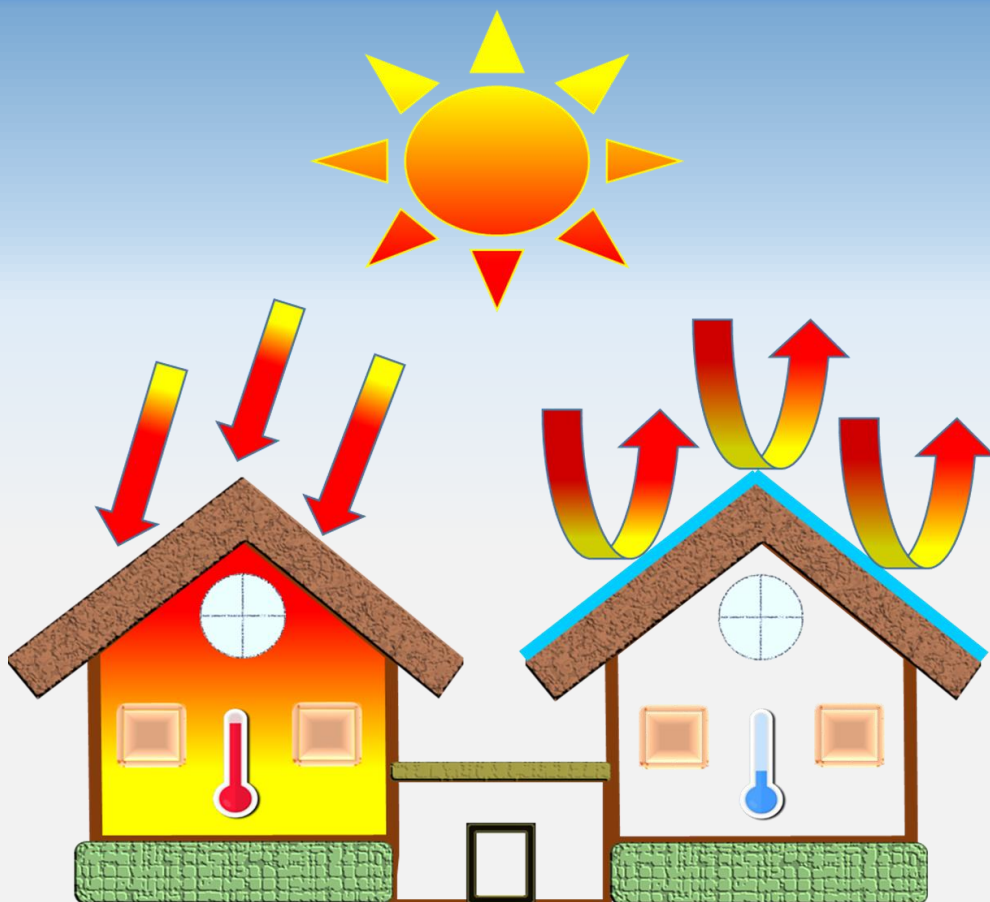
Novel Nano Material for Mitigating Urban Heat Island Effect

High Reflectance under the Extreme Sunny and Dry Environment

Average Temperature Reduction 10 °C

Elimination of Primer Coat

Demonstration Completed at HPGRDC



Nano-Additized Solar Reflectance Coating

Advantages

- ❖ Provide Energy Efficiency & Thermal Comfort
- ❖ Reduces Carbon Footprint
- ❖ Superior Adhesion Properties
- ❖ Compatible With Any Surface
- ❖ High Surface Coverage ($2.5 \text{ m}^2/\text{L}$)
- ❖ 10 W/m^2 Power Saving For Every 1°C Reduction

Commercialization

- ❖ TRL: 8-9
- ❖ Ready For Commercialization

