

## Key Advantages of Our Technology

**94%** 94% NIR Reflectance  
for Maximum Heat Reflection

**50%** Cuts Carbon Emissions  
by up to 50%

**30 - 50%** Reduces Energy  
Costs by 30-50%

**12g/L** VOCs Content:  
Less than 12g/L



**CARBON REDUCTION PAINTS**  
with Heat-Shielding and Heat-Insulating Effect

INNOVATIVE PAINT FOR A GREENER, SUSTAINABLE WORLD!



**DUAL PROTECTION:**  
HEAT-SHIELDING AND  
HEAT-INSULATING **IN ONE**



**NO PRIMER NEEDED:**  
APPLY 1-2 TOP COATS **ONLY**



**ECO-FRIENDLY,**  
WATER-BASED PAINT

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ECO-FRIENDLY  
ENERGY SAVING

# CARBON REDUCTION PAINTS

with Heat-Shielding and  
Heat-Insulating Effect



## PROVEN HEAT-SHIELDING AND HEAT-INSULATING EFFECTS

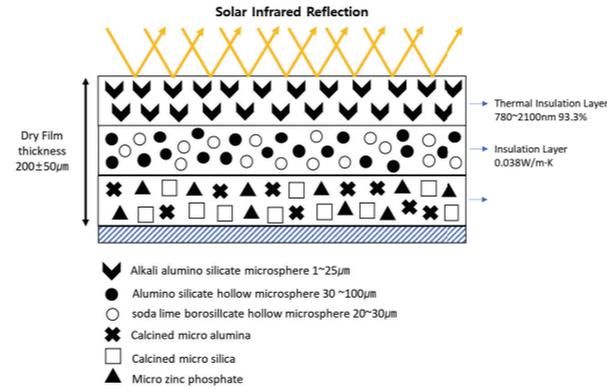


In a pilot test conducted at our Incheon headquarters, the general paint reached 55°C, while EUCNC paint maintained a lower temperature of 43.6°C, demonstrating a difference of 11.4°C.  
Container Surface Temperature Measurement Data, September 2024

## CERTIFIED ECO-FRIENDLY AND ENERGY-SAVING PAINTS



## HOW HEAT-SHIELDING AND HEAT-INSULATING WORK TOGETHER



### Heat-Shielding Layer

Utilizing micro-sized ceramic particles, this layer reflects over 94% of solar infrared radiation.

### Heat-Insulating Layer

Employs micro hollow ceramic particles of varying sizes to block heat transfer within the coating, preventing thermal bridging.

### Primer Functional Layer

Enhanced with functional ceramic fillers, this layer forms a strong bond between the substrate and the coating. It ensures superior adhesion on concrete, cement, steel, and other surfaces.

### Reduced Emission of Air Pollutants

No detection of 4 major heavy metals and VOCs. VOCs content is below 12g/L, far lower than the environmental certification standard of 35g/L.

### Temperature Comparison Before and After I-CELLENT



Polman Bandung Univ.  
**Indonesia**

Environmental Corporation  
of **Incheon**

## MAJOR APPLICATION CASES

1) Rest Facilities at the S-OIL Ulsan Plant



2) LH Apartments in Gumi, Gyeongbuk

