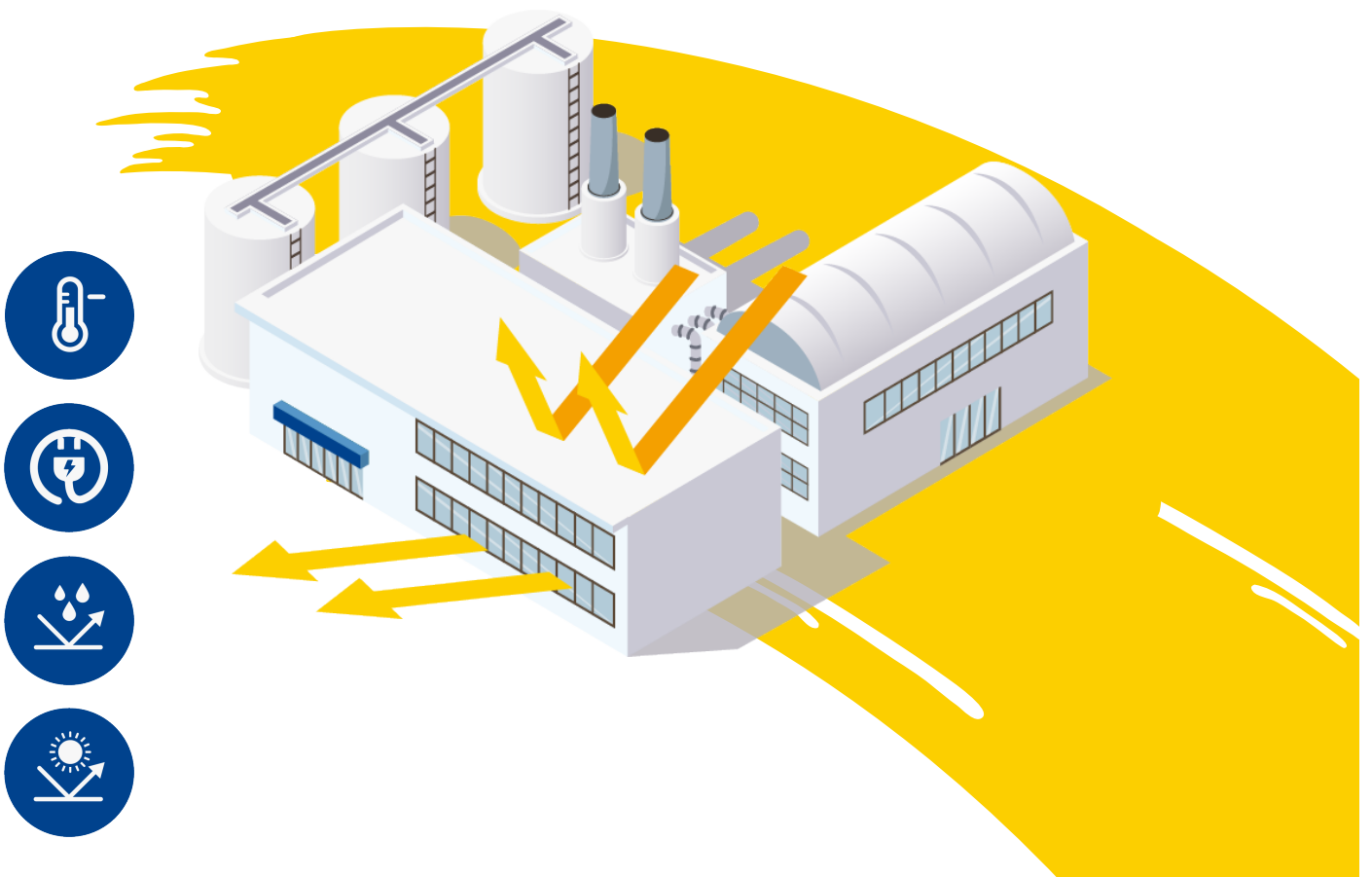




USI Corporation
台灣聚合化學品股份有限公司

Superior Sun-Shielding Coating



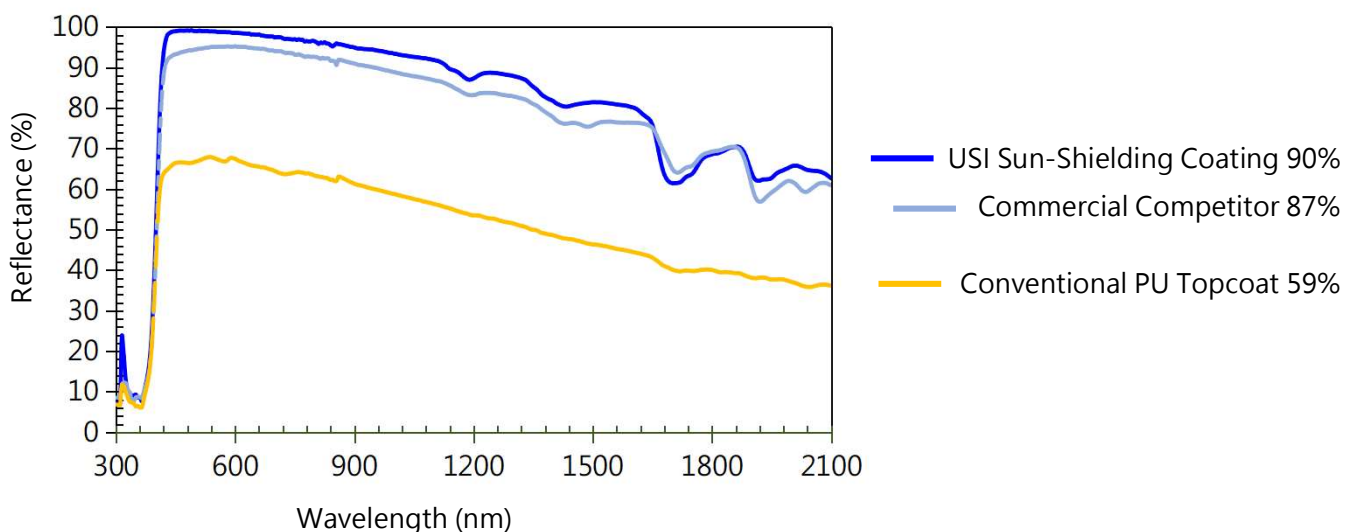
Sun-Shielding Coating with Excellent Performance

- Eco-friendly waterborne coating
- Total solar reflection 90%
- Less heat island effect
- Thin coating layer : 50um x 2
- Reduce indoor temperature
- Less airconditioning
- Less energy consumption and carbon footprint



Total Solar Reflectance 90%

Having a white coating is not all there is to sun-shielding. In fact, TSR is the crucial index that must be taken seriously. Below is the TSR spectrum which demonstrates the outstanding performance of USI coating comparing with other commercially available white coatings:

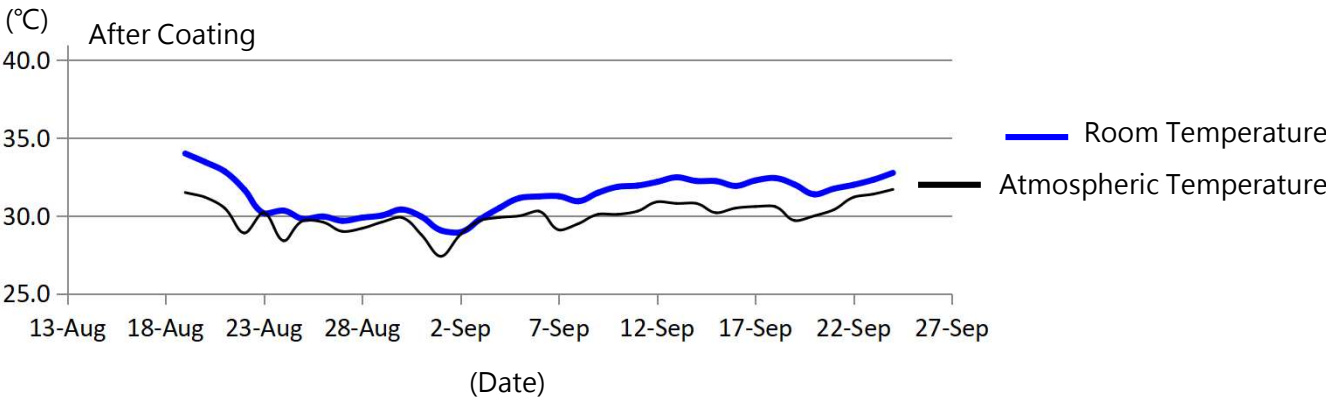
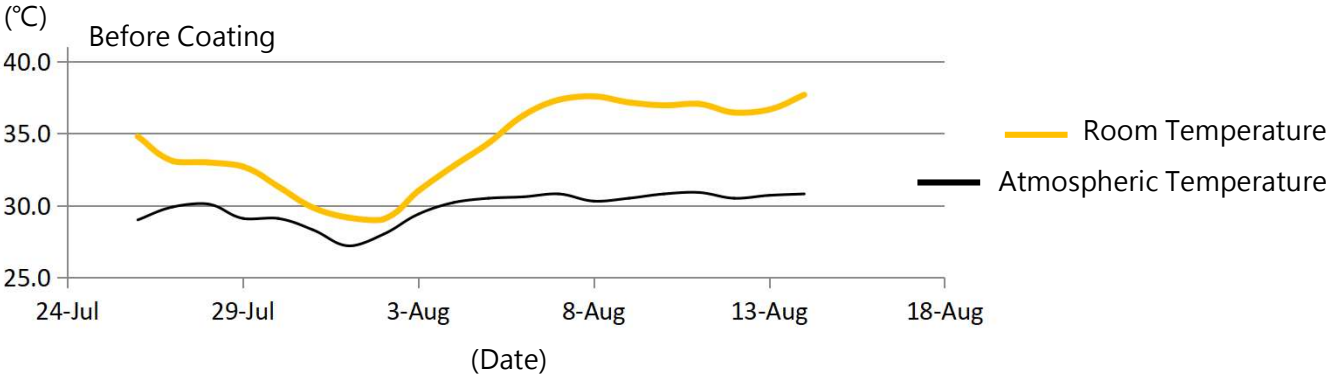


Significant Drop of Surface Temperature

Case 1 Warehouse Roof Steel		Case 2 Building Roof Concrete		Case 3 Building Roof Concrete	
Before	After	Before	After	Before	After
54.3°C	31.6°C	54.1°C	28.6°C	57.8°C	32.0°C
22.7°C ↓		25.5°C ↓		25.8°C ↓	

Significant Reduction in Indoor Heating

Applying sun-shielding coating can prevent conduction of thermal energy into the buildings, resulting in reduced need of airconditioning and achieving purpose of energy saving and carbon reduction. Meanwhile, due to significant reduction indoor heating, there will be no large temperature difference between indoor and outdoor. People are more comfortable when entering or exiting the buildings. The following is an example of an office, recording the difference between indoor and atmospheric temperatures before and after coating.





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