

ADVANCED MATERIALS FOR
NET-ZERO COOLING



iPaint

ELECTRICITY-FREE
COOLING SOLUTION



95%
MAXIMUM
MID-INFRARED EMISSIVITY

95%
MAXIMUM
SOLAR REFLECTIVITY

42%
MAXIMUM SURFACE
TEMP REDUCTION

40%
MAXIMUM ENERGY
SAVING RATE

1-3 YEAR
OPTIMAL
PAYBACK PERIOD



EFFICIENT COOLING
Surface temp reduction up to 42.9°C;
Energy saving rate up to 42%



COMPREHENSIVE PERFORMANCE
Waterproof, oil-resistant, dust-
resistant and highly hydrophobic



PANTONE CUSTOMIZATION
Custom color solutions; Pantone-
matched options supported



EXCELLENT WEATHER RESISTANCE
Salt spray and corrosion-resistant, with
cooling efficiency lasting up to 10 years



EASY TO APPLY
Spray, brush, or roll application, suitable
for various complex surface structures.



SAFE AND RELIABLE
Ultra low VOC water-based
coating with Class A fire rating

DIVERSE APPLICATION SCENARIOS



ARCHITECTURE



TELECOM & POWER



CHEMICAL INDUSTRY



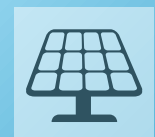
NEW ENERGY



LOGISTICS



GRAIN STORAGE



PHOTOVOLTAIC

INSIDE THE TECHNOLOGY

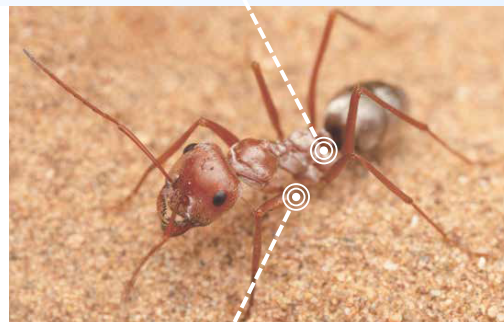


Inspired by the Saharan silver ant - nature's master of heat deflection - we've developed a revolutionary cooling technology. Using advanced nanomaterials and smart design, our coatings reflect up to 95% of solar radiation and release heat back into space. The result? Powerful, electricity-free cooling that requires no energy, no refrigerants, and delivers performance beyond traditional insulation. It's a smarter, greener way to stay cool.

Working Principle Inspired by Nature

The triangular cross-section of their hairs effectively reflects visible light and near-infrared light from various angles of incidence.

distinctive hair structure

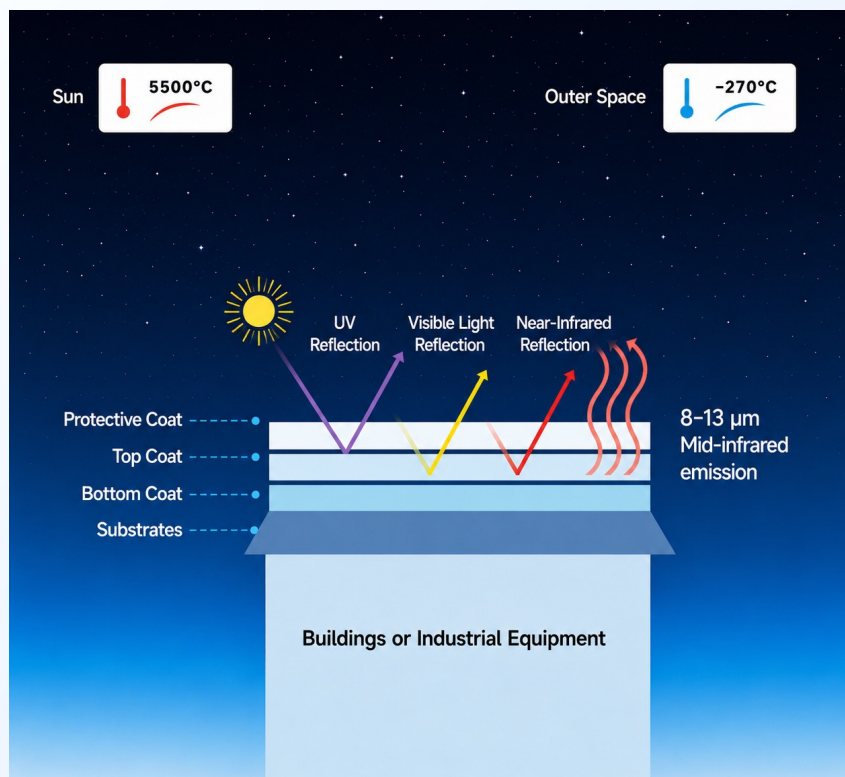


self-cooling skin



What is *mid-infrared emissivity*?

It's the secret superpower behind our products! MIR is the ability of a surface to release heat instead of holding onto it—like letting buildings "breathe out" excess warmth. By radiating heat away, our products help keep interiors cooler, reduce the need for air conditioning, and boost energy efficiency—all while preserving comfort and style.



PAINT THAT WORKS BEYOND COLOUR
REFLECT HEAT
REDUCE ENERGY USAGE
REIMAGINE COOLING

CONTACT US TO LEARN MORE

INFO@HERASMARTER.COM | WWW.HERASMARTER.COM