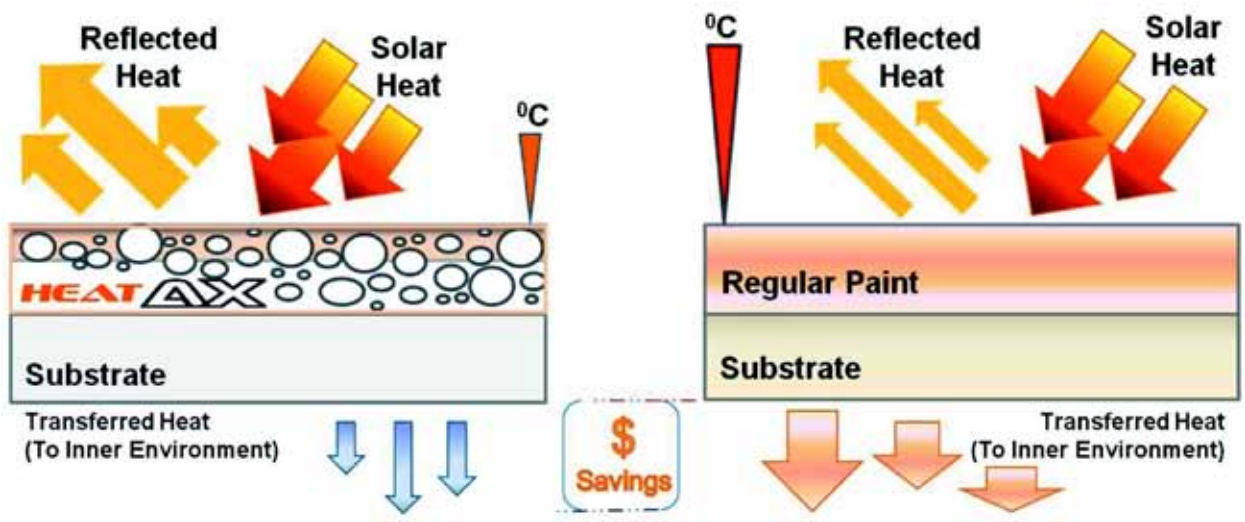
HEAT AX®
*AX*ceptionally Cool

HEAT AX is a nano-tech high performance insulation coating specially developed for anything under the sun.

HEAT AX is a formulated water-based insulation coating that can effectively lower surface temperature, reduce your cooling costs and create a greener environment by mitigating urban heat island effect.

HEAT AX is environment-friendly, has ultra-low organic compounds and is free of hazardous substances. HEAT AX can be used for any substrate, and applied on exterior surfaces using spray, roll or brush application method.

Colour:	*White [1]*
Solar Reflectivity:	*91%*
Emittance:	*90%*
VOC:	*7.34g/l*
Coverage:	*2.5m²/l (Metal)*
	1.67m²/l (Concrete)
Flammability:	*Non-flammability*
Shelf-Life:	*2 years*



HOW DOES *Heat-AX* WORK?

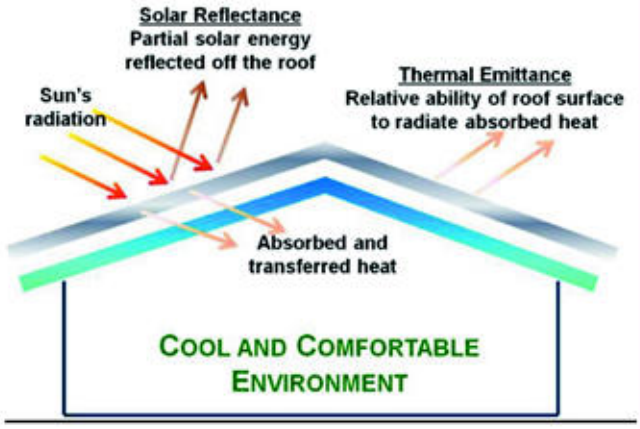
HEAT AX uses its certified solar reflectance and emittance properties to greatly reflect the solar heat and efficiently emit the absorbed heat from the roof and facade before the heat can enter your inner environment. Its low thermal conductivity also effectively blocks the heat transfer through the substrate to protect your inner environment from the blazing sun. The 0.2mm-0.25mm thick dense nano particles structure of HEAT AX also acts as an excellent barrier to heat, sound and water.

HOW IT MATTERS?

HEAT AX can effectively reduce the room temperature of your inner environment (e.g. offices, containers etc.), bringing greater thermal comfort, reducing cooling load for the air-conditioner which means savings in electricity and lesser carbon emissions. HEAT AX is the energy saving solution that matters to your operating costs, comfort and our environment.

GreenLabel SINGAPORE
032-099
Heat Reflective Coating

[1] Other colours available upon request.



CERTIFICATIONS

- ✓ **ASTM C1549** **Solar Reflectance** (91%)
- ✓ **ASTM C1371** **Emittance** (90%)
- ✓ **SGL-032** **Environmentally Friendly Heat Reflective Coating**
  - Solar Reflectance >65% (at 91%)
  - Low VOC of <25g/l (at 7.34g/l)
  - Flash Point of >61°C (Passed)
  - No hazardous substances, e.g. Mercury, Lead, Aromatic Solvents (Not detected)
- ✓ **2002/95/EC** **Restriction of Hazardous Substances** (Not detected)

Solar Reflectance (SR)
Most important product's characteristic in terms of yielding the highest energy savings under warm and sunny climate. The higher the SR value (%), the more efficient the product is in reflecting sunlight and heat away from the building and reducing roof temperature.

Thermal Emittance (TE)
Ability of a surface to release absorbed heat. In warm and sunny climates, roof product with high emittance value (%) can help to reduce the cooling load on the building by releasing the heat absorbed from the sun. An example is a metal tool left in the sun is hot to the touch because it has a low emissivity value.

Heat-AX has achieved a commendable readings as follows:-

Heat-AX (Colour)	Solar Reflectance (SR)	Thermal Emittance (TE)	Thickness (mil/mm)
White	91%	90%	14.8mil / 0.3759mm
Wheat	90%	89%	14.2mil / 0.3607mm
Grey	60%	90%	13.1mil / 0.3327mm

PRODUCT APPLICATIONS: Commercial and residential buildings, warehouses, schools, water reservoir tanks, containers, vehicles and vessels.

SURFACE PREPARATION: All surfaces should be washed and cleansed of grime. Surfaces should be dry prior to application at ambient temperature of below 80°C (176°F).

MIXING: No dilution necessary for best performance. Stir thoroughly for about 3 minutes until sticky solution forms. Cleaning of equipment can be accomplished with water.

APPLICATION METHOD: Spray coating is prefered, at recommended pressure of 70 psi, ≥18°C ambient temperature. Rolling and brushing should be applied in uni-direction. For best results, two coatings totalling 250 micrometre thickness (30 mins to 1 hr in between) are necessary and preferably done under dry weather condition to allow coatings to dry sufficiently.

*This product when applied properly will help reduce heat loads and energy costs. Actual savings will vary based on geographic location and respective application characteristics. Consult HEAT AX for more information or visit www.HeatAX.com.tw

HI-PEC
DIFFERENT - BETTER

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