



S100 SOLAR GUARD

HEAT REFLECTING AND INSULATING PAINT TO KEEP BUILDINGS COOL.

Uses

- Thermal reflector for rooftops and exterior walls
- Use on clay, metal, wood and cement surfaces.
- **S 100** can be used as UV-Protective coating for most bitumen, and PU Coatings to extend their service life.



Features

- Anti-infrared rays & low heat conductivity hollow ceramic particle added to reduce indoor temperature. Keep the building real cool.
- Breathable, high adhesion to substrate.
- Low dirt pick up due to non-static property.
- Silicate based and high durability. Low water permeability
- Water based, Tools used can be cleaned easily.
- User-friendly, Non-toxic and environmentally friendly

Application Method

- Ensure the surfaces to be treated is clean and dry
- Apply with roller, brush or spray gun.
- Apply **S 100** evenly on cleaned surface. Thin multi-coatings is recommended as single heavy coatings may crack.
- Allow to dry for **30 minutes** before applying the next coat.
- Clean the tools with water after use.
- Coverage: **80- 90 m² / 24 kg-pail** (2 layers with thickness 0.2- 0.3 mm)

Technical Data

Comparison of Surface Temperature of Various Substrate

TYPES OF SURFACES	UNCOATED	COATED WITH S 100	COATED WITH A TOP BRAND PAINT
RESULT	68°C	42°C	50°C
TYPE OF TEST	Surface exposed to afternoon sun for 1 hour (13:00, Singapore)		
Heat Transfer Coefficient	0.065 watt/m . K.	ASTM C518.04	

Packing

24 kg-plastic Pail

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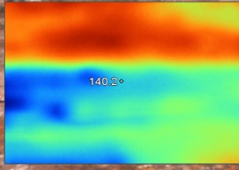
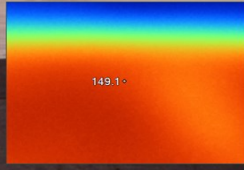
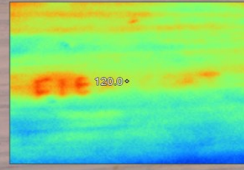
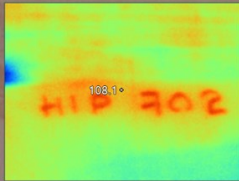
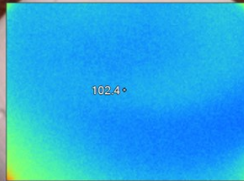
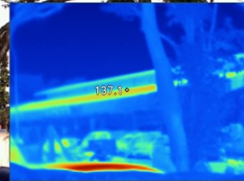
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WOODEN SURFACE	WOODEN SURFACE	WOODEN SURFACE
UNCOATED	COATED: FLEXICOAT (GREY)	COATED: FLEXICOAT (WHITE)
TEMPERATURE: 61.1 °C	TEMPERATURE: 65 °C	TEMPERATURE: 48.9°C
		
WOODEN SURFACE	MASONRY SURFACE	METAL ROOFING
COATED: S100 SOLAR GUARD	COATED: S100 SOLAR GUARD	UNCOATED
TEMPERATURE: 42.2 °C	TEMPERATURE: 39 °C	TEMPERATURE: 58 °C

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