



**VALENTINE'S**  
PAINTING SERVICE

*Cool your World  
with...*

**COOL ROOF**   
With **InfraCOOL** Technology

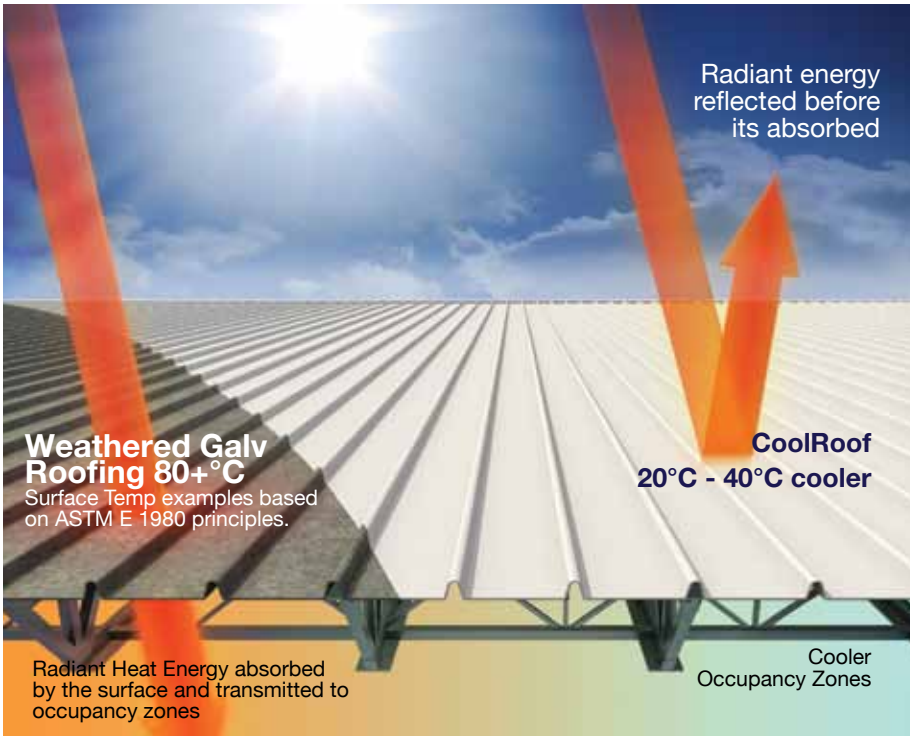
*Metal or Tiled Roofs - any colour!  
Commercial & Residential*



[www.valentinespainting.com.au](http://www.valentinespainting.com.au)



# The benefits of CoolRoof



Further reading: Reducing Urban Heat Islands: Compendium of Strategies - US EPA, Geo-engineering, adaption and CO2 mitigation - Climate Progress US

## InfraCOOL... Colours that shield from the sun

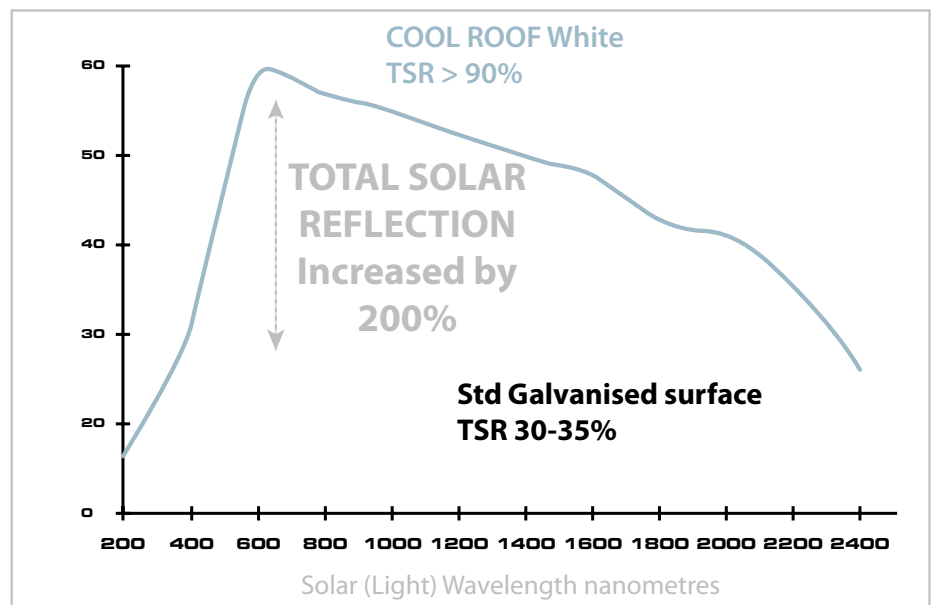
### ASTM E903 SOLAR ABSORBANCE

TSR and Spectral Reflectance is tested in accordance with ASTM E-903

% Reflectance of both versions is reported at individual wavelengths from 200 - 2500 nanometers

Results:

- TSR (Total Solar Reflectance) increased from 30% to 90% (200% increase) with InfraCOOL™
- Reflectance increases across both the visible spectrum (300 - 700nm) and most significant portion of the Infra-red spectrum (700 - 1800nm).



### Maximum Solar Reflection

Weathered and Dark Coloured roofs absorb massive amounts of solar radiation which in-turn transmits heat into occupancy zones. CoolRoof reflects heat energy in the first instance - before heat is absorbed, meaning insulation & cooling efficiencies are maximised.

### Reduced Cooling Costs

Less Heat penetration means lower cooling costs. Comparative guides identify cooling energy savings of 20-40% are possible using CoolRoof technology.

### Improved Occupancy Comfort

In non-airconditioned facilities such as workshops and warehousing, cool roof translates immediately to cooler working and warehousing facilities, improving productivity and stability of stored goods.

### Lowers Carbon Footprint

Less use of air conditioning reduces power consumption and associated greenhouse gasses which is good for the environment and for you.

Want to LOWER cooling costs ?



Need to LESSEN your carbon emmissions ?

• **Air-Conditioning represents >20% of a commercial building's energy consumption**

• **26% of Australia's Green House emmissions come from Energy Use in buildings**

**BENEFITS MODEL**  
500 m<sup>2</sup> Roof Area  
AIR CONDITIONED

Cooling Cost saving per year	CO2 reduction perth year (Tonnes)
<b>\$1,975</b>	<b>10</b>

Dulux InfraCOOL can reduce Cooling Cost by up to 40%



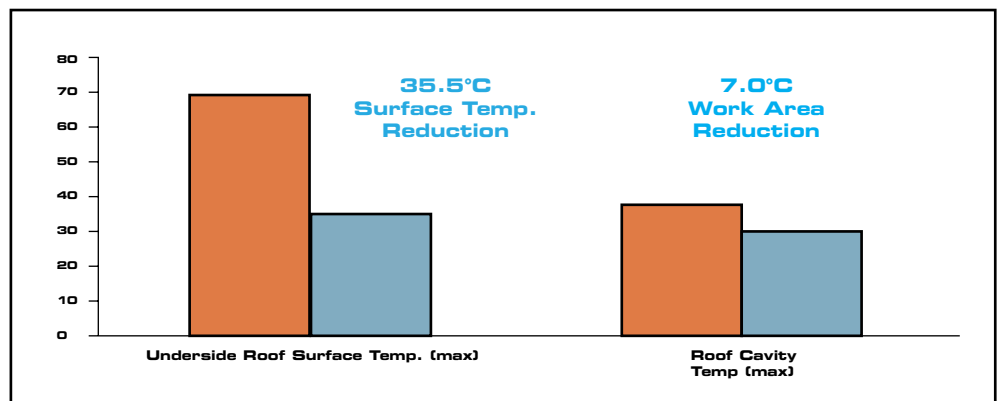
Dulux InfraCOOL can reduce CO<sub>2</sub> emission by up to 10 tonne p.a.

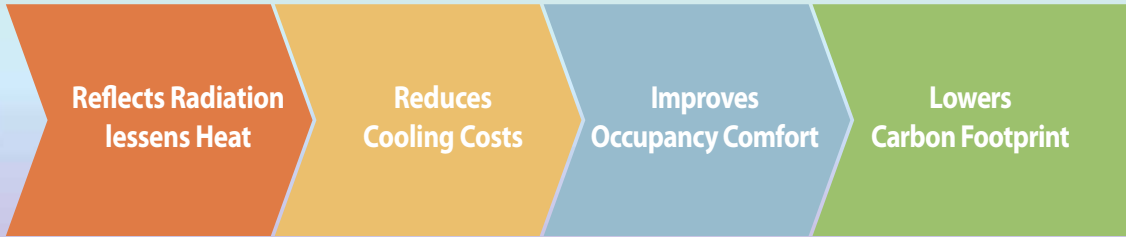
**10 YEAR**  
PRODUCT WARRANTY

- Immediate drop in Roof Surface and Ceiling cavity temperatures as evidenced from actual project Temperature Data monitoring

- Improved Occupancy comfort levels:

Immediate feedback from centre staff acknowledge the internal cooling effect of between 5 - 10°C cooler





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& CONCRETE FLOOR SEALING SYSTEMS WA

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