



No1 Heat Reflective Coating

It's not (just) Rocket Science

Based on technology originally developed by NASA, ThermaGuard HRC has been improved to deal with the harshest Australian conditions.

- ✓ Lower interior temperatures and increase comfort levels
- ✓ Cut cooling costs & prolong cooling equipment life
- ✓ Extend the life of your roof by preventing thermal shock & inhibiting corrosion



ThermaGuard HRC

By Hi-Tech Applications P/L

Latest independent testing proves
Thermaguard HRC is the **No1 SRI rated**
heat reflective coating in Australia!

About **ThermaGuard HRC**.

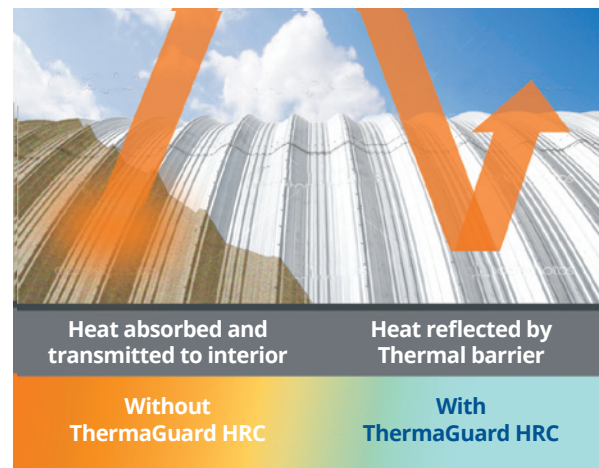
ThermaGuard HRC is a heat reflective coating that greatly reduces thermal shock plus waterproofs and extends roof life. The unique thermal barrier properties of **ThermaGuard HRC** are due to millions of hollow glass microspheres that cluster together and provide vacuumed air space.

ThermaGuard HRC is the solution for control of extreme heat conditions by improving internal temperatures in commercial buildings, industrial equipment, homes, warehouses, schools, silos and much more.

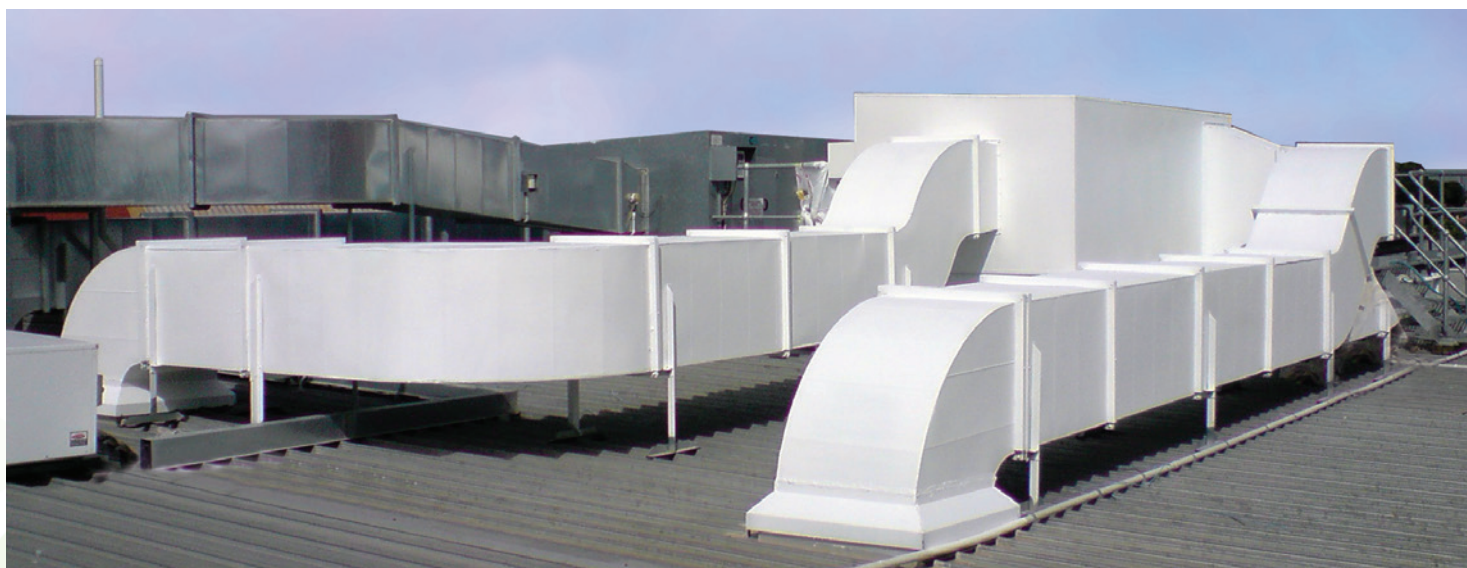
A simple application of **ThermaGuard HRC** will not only save you money by lowering your HVAC costs, it will also extend the life of your building and equipment.

ThermaGuard HRC dramatically improves personal comfort levels by keeping a lower, stable temperature throughout the day and night. Additionally **ThermaGuard HRC** will maintain a balanced temperature throughout the building.

Importantly, there is no need to replace any of your existing materials as **ThermaGuard HRC** is a heat reflective coating that is easily applied to existing roofs and walls to repel heat. **ThermaGuard HRC** can be applied while existing operations continue resulting in no business downtime.



- ✓ Reduces internal temperature
- ✓ Reduces cooling costs
- ✓ Reduces UV penetration
- ✓ Eliminates metal expansion and contraction which often leads to joint fracture and leakage in metal roofs
- ✓ On a 25°C day a galvanised roof will increase in temperature to 65-75°C. After application of ThermaGuard HRC the roof temperature will stabilise to 27°C to 30°C.



The Rocket Science

What is **SRI** and why its important.

There are so many bogus or misleading claims about heat reflective paints that it confuses even us. How do YOU decide which product is best? That's where SRI comes in.

The Solar reflective Index (SRI) was set as the standard for measuring the effectiveness of heat reflective paint. SRI is a numerical expression of a coating's overall ability to reject solar heat. Solar Reflective Index calculation is done in accordance with ASTM E 1980-11.

ThermaGuard HRC was independently tested by AWTA May 2014.

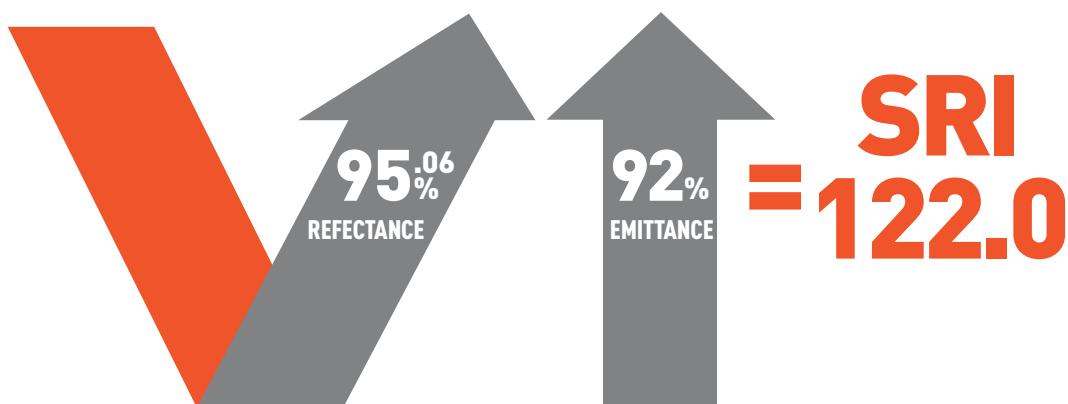
Our results prove we are the best performing heat reflective coating in Australia.

Standard Galvanised roof

Solar reflectance is 38.76%. Solar emittance is 38%

Galvanised roof with ThermaGuard HRC

Solar reflectance is 95.06%. Solar emittance is 92%



Superior Heat Reflective Coating

Tailored to your roof

Being the best heat reflective coating is only the beginning. To achieve superior results **ThermaGuard HRC** is applied only by expert applicators.

Every job is unique and requires expert assessment and application. Whether your roof simply needs better insulation, needs rust protection or has asbestos, **Thermaguard HRC** has expert applicators throughout Australia to ensure you get best results.

Hi-Tech Applications P/L, manufacturers of ThermaGuard HRC offers expert assessment and quotation service that includes:

- ✓ Roof inspection
- ✓ Any necessary roof assessment or improvements required
- ✓ ThermaGuard HRC pre-preparation including cleaning, rust proofing & repairs
- ✓ ThermaGuard HRC application and 12 year guarantee
- ✓ Asbestos coating available



Substantially enhances performance of standard roof insulation in:

- | | | |
|--------------------|---------------|-------------|
| ✓ OFFICE BUILDINGS | ✓ RESIDENTIAL | ✓ FACTORIES |
| ✓ SCHOOLS | ✓ WAREHOUSES | ✓ SILOS |



Find out more at
thermaguardhrc.com.au



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