

# THERMOBOND

# HRC

Keeps you cool - when the heat is on!



## What is Thermobond?

*Thermobond HRC* is a water based heat reflective coating that can be easily applied to the complete exterior of buildings (roofs and walls etc.). It is cost effective, attractive, very easy to maintain and environmentally friendly. Its unique formula makes *Thermobond HRC* one of the most advanced, high performance acrylic heat reflectant coatings available on the market.

## How it Works

*Thermobond HRC* keeps you cool when the heat is on! It reflects solar infrared (57% of heat from the sun) and visible rays (40% of heat from the sun). This means, it creates more comfortable interiors by making them much cooler. *Thermobond HRC* is very durable and will enhance and protect the exterior of your building for up to 10 years.

## Why it Works

Heat reflective coatings operate on 3 levels. 1. Solar reflectivity (visible light/heat rays). 2. Heat emmissivity (Infra-red heat radiated away). 3. Coating thickness. *Thermobond HRC* works because it has a high Solar Reflective Index, very high emmissivity and a minimum dry thickness film of 150 $\mu$ m. This means the coating does not allow the passage of heat to reach the substrate it has been applied to.

## Advantages

- Air conditioning costs can be reduced by 20% annually.
- Solar Reflectance of 88%
- Infrared Emittance of 88%
- Ceiling cavity temperature reduced

## Approved Substrates

### COMMERCIAL

- Industrial sheds
- Piggeries
- Broiler Farms
- Pipelines
- Transportable Buildings
- Shipping Containers

### DOMESTIC

- House roofs
- Steel garages
- Garden sheds
- Exterior walls
- Caravans and more

**HEAT REFLECTANT COATING**



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**REDUCES INTERIOR TEMPERATURES**

**CUTS AIR CONDITIONING COSTS**

**LASTS UP TO 10 YEARS**

**ENVIRONMENTALLY FRIENDLY**

**EASY TO USE**

Shieldcoats *Thermobond HRC* keeps you cool when the heat is on by reflecting solar infrared and visible rays that cause the build up of heat in the roof cavity by creating more comfortable interiors. It is cost effective, attractive, easily maintained, environmentally friendly and available in white and most pastel colours.

*Thermobond HRC* is one of the most advanced, high performance acrylics available on the market today, utilising only the best quality raw materials in production, to ensure it will easily last beyond its 10 year guarantee.

Being environmentally friendly, *Thermobond HRC* is the ideal heat reflectant coating to use on roofing for the collection of water, making it suitable for use across a wide range of domestic and commercial applications.

The most exposed area of any building is the roof, this along with poor roof insulation, makes the roof responsible for heat re-radiation and storage, therefore increasing internal temperatures. The application of *Thermobond HRC* reduces the absorption of heat and reflects it away from the roof helping to keep interiors more comfortable.



**COMMERCIAL ROOFING**



**PUBLIC BUILDINGS**

**HEAT REFLECTANT COATING**