


The hotter it gets...



solutions for the environment

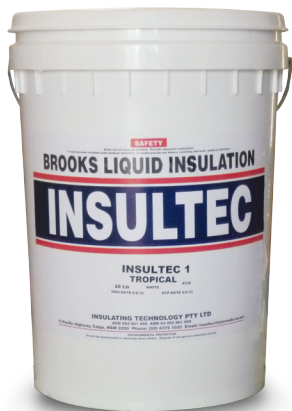


**...the better
it works!**

Introducing

Insultec

The paint that beats the heat



Insulating Technology

Insultec is a range of coatings and membranes with a remarkable ability to stop heat transfer. By applying a coating to the external surface of a building, **Insultec** will “re-radiate” 95% of solar infra-red rays and 85% of Ultra Violet Rays back into the atmosphere.

This is a giant leap forward in paint technology. It completely out dates other coatings which rely on reflection and conventional internally fitted systems such as fibreglass batts or foam.

Unique Formula

The formulation of **Insultec** is unique. It is unsurpassed in its ability to stop damage caused but the transfer of solar heat. By successfully combining an unique “re-radiating” component with a resin base, the manufacturers have developed a range of coatings which has maximum efficiency for a wide range of applications.

The benefits are clear

- ✓ Unsurpassed insulation against solar radiation
- ✓ Environmentally friendly
- ✓ Suitable for roofs and walls
- ✓ Cost effective and attractive
- ✓ Zero running costs
- ✓ Easily maintained
- ✓ Longer life expectancy
- ✓ Waterproof
- ✓ No harmful ingredients
- ✓ Convenient exterior application
- ✓ Reduced or eliminated air conditioning costs
- ✓ Decreased structural movement / damage
- ✓ Decreased building maintenance
- ✓ A more comfortable interior
- ✓ Better workplace efficiency
- ✓ Product warranty
- ✓ Australian made and invented
- ✓ Safe for drinking water

Research and Development

Insultec is the result of 35 years of research experience by an Australian paint technologist involved in the development of long life coatings and membranes for special purposes, particularly in the field of Solar Radiation.

Insultec has been acclaimed by a world authority on Heat Transfer (HJ Goldsmid Emeritus Professor of Experimental Physics). Test results from the University of New South Wales and the South Australian Highways Laboratory confirm its remarkable insulating qualities. Results show a building with an **Insultec** protected roof gives a 15°C cooler interior than a building without. Other reports show differences as high as 22°C. The ability of **Insultec** to reject heat so effectively is due to unique “re-radiating” components.

Solar Heat Transfer

Conventional systems such as fibreglass batts, foam or reflective coatings only slow the rate of Heat Transfer, they do not stop it. Throughout the day solar radiation transfers through the roof to the internal airspace and infrastructure below, continually adding heat to the interior as the day progresses.

Because **Insultec** stops the heat entering in the first place, it either eliminates the need for air conditioning or greatly reduces its running costs.



Energy and the environment

Technical Data

Insultec is a water based co-polymer compound containing inert pigments and special filters. It is a one component system, with excellent adhesion, is micro porous, impervious to salt spray and airborne pollution, mould and fungus resistant and will not flake, crack or peel. **Insultec** has been thoroughly tested and is acclaimed by world authorities of heat transfer.

Directly and indirectly, an application of **Insultec** makes environmental sense

- Notably less energy consumption
- Extended structural life
- Less maintenance

The manufacturers of **Insultec** believe environmental issues are a global concern. Selecting **Insultec** is the 21st century choice.

Typical Uses and Effects

- On metal, to reduce expansion and contraction, a cause of structural damage which requires continual maintenance or leads to premature replacement.
- On concrete, to reduce expansion and contractions, a cause of masonry cracking.
- To reduce the reliance on mechanical means of cooling internal air space. In air conditioned buildings, less wattage is needed. Where air conditioning is required, a smaller unit may be sufficient.

Application

Insultec can be retrofit or applied to new substrate. It can be used over virtually any substrate and can be sprayed in hot conditions. For surface preparation please refer to our product data sheets.



Insultec

The paint that beats the heat



**A range of coatings and membranes with
a remarkable ability to stop heat transfer.**

Insultec reduces costs by extending structural life expectancy and by reducing energy consumption. Savings on air conditioning usage have been reported above 61%. Combined savings on energy, labour and structural repair add up to economical sense.

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