



## **BUREAU OF METEOROLOGY**

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To Whom It May Concern:

The Charleville office of the Bureau of Meteorology has recently had it's roof covered with Insultec through the Heat Management Company of Loganholme, Queensland. This was done not so much for the insulating qualities of the product but to extend the life of a 40 year old asbestos tile roof that had never been treated in any way whatsoever. We were particularly keen on the ten year product guarantee and after enquiries through the federal government Department of Asset Services, it was decided to try this product, as, in combination with a pre-treatment, it should bind any loose material and extend the life of the roof past the expected life of the building.

No comparison testing before and after application of the material has been performed as the insulating qualities of the product were not in question, or material to our decision to apply the product.

Anecdotal evidence however, does indicate that the material is an effective insulation material as internal air conditioner usage and costs are now approximately half as much as previously.

One particular room, holding multiple motors and transmitters, running various pieces of meteorological equipment has a requirement to remain cool. This room is serviced by internal ducting from an evaporative air conditioning unit that also serves the main office area. Unfortunately this room generates copious amount of heat and necessitates leaving the air conditioning unit on, when for personal comfort the air conditioning unit would otherwise be turned off, as the roofing treatment appears to keep the main office area cool enough for the majority of the time to satisfy human requirements. As it is the air conditioning unit is switched off at night for personal comfort reasons, even though the room generating the heat tends to become warm. This has to be done, otherwise the office working area becomes too cold for comfort. Previously we had no problems with this, as the air conditioning unit was left on continuously and the office area temperature was maintained by the use of three wall mounted evaporative air conditioners. These wall mounted air conditioners are now rarely ever used.

  
John McIlwain  
Station Manager  
Charleville  
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