



COMALCO

RESEARCH & TECHNOLOGY

COMALCO RESEARCH CENTRE
15 EDGERS ROAD
THOMASTOWN, VICTORIA 3074, AUSTRALIA

17th January, 1995

To Whom It May Concern

Thermal efficiency improvements made to buildings at Comalco Research Centre, Thomastown last year included coating the gable roof of two buildings with Insultec.

The two buildings are very similar, with identical materials of construction and gable roof-space above the two story construction. The roof comprises ribbed metal decking with reflective foil backed fiberglass insulation 50mm thick.

The application program was such that for part of one day, one roof was coated with Insultec, the other was not and although the sky was continuously overcast that day and the ambient temperature only in the mid 20's, the temperature contrast between the two roof-spaces was significant.

A temperature traverse of the two roof spaces showed a difference of 10^oC at head height above the level two ceiling walkway and 15^oC on the foil backing under the roof insulation layer.

Subsequent maintenance visits onto the roof of the various buildings, has evidenced an astonishing temperature difference between the outside surface of the coated and uncoated roof decks and other metal components, particularly on hot sunny days.

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Comalco Research & Technology Buildings, Victoria
Insultec applied Sections 1 and 2, January & July 1994.