



Mr Anthony Zannoni
Polycell Australia Pty. Ltd.
33 Commercial Drive
Dandenong Vic 3175

22/3/2011

Dear Mr Zannoni

Re: CSIRO Test Report No. 11 – 0152

This report details the findings when a material supplied by your company was subjected to a thermal resistance test described in BS 5335.

This test involved subjecting the Silver aluminium side of the fabric to the heat source and measures the reduction in temperature on the other side of the fabric due to the thermal insulating properties of the “pallet protection fabric”.

The heat source is thermal only and not solar so the reflective properties of the aluminium surface are not measured during this test.

The heat protection properties were measured at two settings:

Setting 3 which equated to a constant heat of 23.1°C at this temperature the reduction in heat from one side of the fabric to the other was 2.4°C.
This equated to a thermal TOG value of 1.8

Setting 6 equated to a constant heat of 28.6°C and at this temperature the reduction in heat from one side of the fabric to the other was 5.1°C
This equated to a thermal TOG value of 1.9.

These results indicated that the “Pallet Protection Material” provides insulation from the heat from one side of the fabric to the other. It also indicates that as the temperature was increased the thermal resistance properties of this material also increased.

Yours Sincerely

Dale Carroll
Manager Consulting services
CSIRO Materials Science and Engineering

