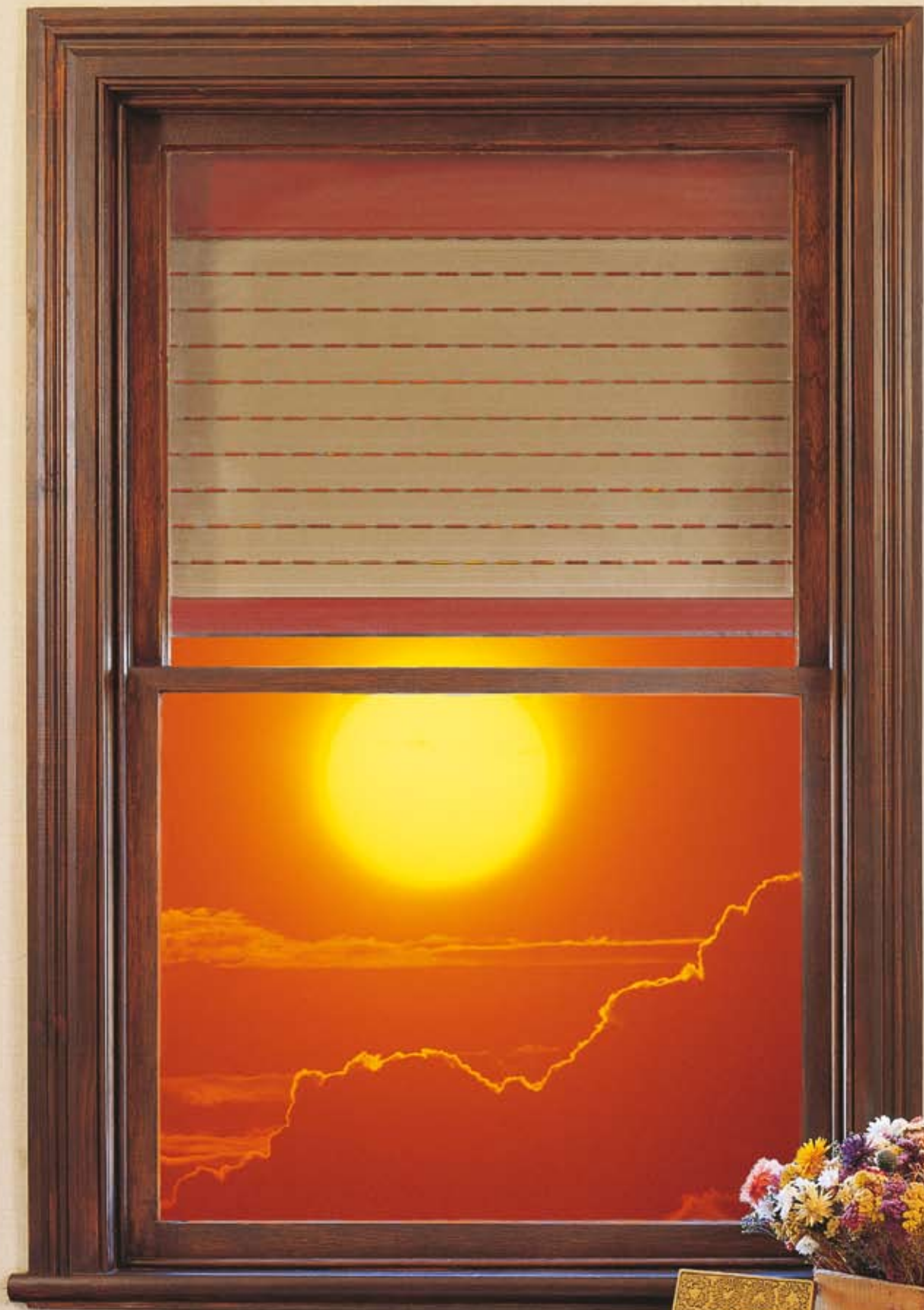


BLOCKOUT HEAT



HEAT RESISTANCE CHARACTERISTICS OF A BLOCKOUT SHUTTER



Areas of glazing represent a thermal weak spot in any home or building. Heat produced by the sun penetrates through windows and glass roofing, raising internal temperatures quickly. As a result, cooling appliances take longer to reduce the built up heat and in extreme cases, they often don't provide a comfortable result.

Research conducted by the University of New South Wales indicate that up to 90% of heat gain produced by direct sunlight can be reduced by Blockout Roller Shutters. In cases where sunlight does not directly penetrate glazing, Blockout Roller Shutters will block up to 70% of the heat.

This research also added that the use of shutters can reduce winter heat loss through glass areas by as much as 70%, indicating that overall an internal ambient temperature is easier to control with the use of shutters. Warmed air emitted by an electric/gas heater or air conditioner will be contained within the room instead of dissipating through the nearest window.

Blockout Roller Shutter's thermal characteristics are achieved by an air pocket formed between the aluminium shutter and the glass.

Benefits include:

- A cooler building environment in summer.
- Maximising the effective use of cooling/heating appliances.
- A reduction in the escape of cooled air through the glazing.
- A saving of up to 30% in your electricity bill through lower energy consumption from air conditioning units.
- A reduction in your green house gas emissions.

In larger commercial applications, installing shutters throughout an office, factory or shopping centre will have a tremendous impact on energy operating costs, resulting in huge savings. In addition, Blockout Roller Shutters can be fitted with sensors that respond to specific temperatures or light levels, activating the shutters for maximum energy efficiency.

Stricter Insulation Regulations are now enforced for new homes and buildings under the Building Code of Australia. By installing Blockout Roller Shutters, you will contribute to meeting these requirements and help save our environment.



BLOCKOUT