



# THE CC400 SERIES

## ALUMINIUM ROLLER SHUTTER

### ROLLER SHUTTERS

Aluminium roller shutters were developed in Germany over fifty years ago, and were derived from a timber slat woven together with string. The first aluminium slat was a single skin, roll-formed section that was fitted together using a hinge-like shape. There have been many developments and many shapes produced from that early design. The slat we use today is a double-walled cavity, curved profile with PU foam injected into it during the forming process. Although derived from the early timber slat, the AR400 series slat represents many technological advantages and forms the basis for our modern roller shutter.



### TECHNICAL SPECIFICATIONS

- **Curtain Weight:** 4.0kg/M<sup>2</sup>
- **Size Range Width:** 300mm to 3600mm
- **Size Range Height:** 300mm to 3000mm
- **Maximum Size:** 7.2M<sup>2</sup>
- **Colour Range:** 7 box colours and 11 slat colours
- **Control Options:** Battery, 240v, Winder
- **Box Sizes Available:** 165mm, 180mm, 205mm
- **Installation Options:** Virtually unlimited
- **Materials Used:** 90% aluminium with some plastics, rubber and spring steel

### SECURITY

Australia's largest home insurer reports that 55% of domestic home break-ins are through unprotected windows. A roller shutter can offer a first line of defence in this situation and has the major advantage of being a visual deterrent. Cool or Cosy's roller shutters' unique operation and locking devices also offer a physical barrier against forced intrusion.

### THERMAL INSULATION

The CC400 Series slat is rolled to form a hollow casing into which PU foam is injected, creating an 8.7mm thick wall of insulation, similar in style to a cool room. Cool or Cosy's roller shutters also add an added insulating quality due to the air gap between the shutter and the window. This provides a valuable reduction in thermal transfer through the covered window.

### NOISE INSULATION

The insulating qualities of Cool or Cosy's roller shutters have the additional function of substantially dampening the intrusion of unwanted noise. By creating a barrier in front of the window, noise flow, which is transferred by vibrations through the air, is reduced.

### LIGHT CONTROL

Dependant on the type of installation and building construction, a roller shutter can offer up to 100% control of the effects of harmful ultra-violet and infra-red rays. Roller shutters from Cool or Cosy have the added function of perforations along the slat hinge that can be adjusted to diffuse the sun's rays, while allowing light into the room.

### STORM PROTECTION

The roller shutter will offer a physical barrier against driving rain, high winds and flying debris. Cool or Cosy's roller shutters are especially effective against hail, protecting the glass from breaking and possibly causing personal injury.

### FIRE PROTECTION

The heat from a bush fire can easily shatter the glass in a window and allow the entry of radiant heat and ashes to the home. In this case, the roller shutters from Cool or Cosy offer an effective barrier against radiating heat and airborne ashes.