

# Fire Rated Roller Shutters - BAL40



If you live in high risk, bushfire prone or wooded, high vegetation, country or semi-rural location, we highly recommend Fire Rated Shutters. They have a rating of BAL40 and are made with precision extruded roller shutter profile. These shutters are tested and approved by the CSIRO and comply with Australian Bushfire Construction Standard As3959 - 2009 (Clauses 3.7 & 8.5.1).

These roller shutters is ideal for home and business owners who want to protect their property and families from bushfires, because they live in high risk, bushfire prone or wooded, high vegetation, country and semi-rural locations. It is made with a precision extruded roller shutter profile.

In the event of a power outage, our fire rated shutters have a manual override mechanism that can be turned to open or close the shutters as needed. The winding mechanism has a maximum lifting capacity of 20kg.

## Suitable Applications

- Domestic & commercial Windows
- Domestic & Commercial Doorways
- Commercial shop fronts
- Garage doors
- High Security & Fire protection for factories, warehouses, clubs, pubs & hotels, restaurants, pharmacies, sports complexes, arcades, shopping mall entrances, mining & high security areas.

## Features:

- Easy to operate
- Automation available: electric or battery
- Available in widths of up to 3m wide and 3m drop
- UV protection
- Operated by spring, chain or motor

### BAL-40 Fire Testing Results

Performance Criteria	Time to Failure (min)	Position of Failure
Formation of through gaps greater than 3mm	No Failure	—
Sustained flaming for 10 seconds on the non-fire side	No Failure	—
Flaming on the fire-exposed side at the end of the 60 minutes test period	No Failure	—
Radiant heat flux 365mm from the non-fire side exceeding 15kW/m <sup>2</sup>	No Failure	—
Mean and maximum temperature rises greater than 140K and 180K	N/A	—
Radiant heat flux 250mm from the specimen, greater than 3kW/m <sup>2</sup> between 20 minutes and 60 minutes	No Failure	—
Mean and maximum temperature of internal faces exceeding 250C and 300C respectively between 20 minutes and 60 minutes after commencement of test	N/A	—
<b>Crib Class B</b>	<b>Peak Heat Flux</b>	<b>40kW/m<sup>2</sup></b>

### Technical Specifications

Bushfire attack level rating	BAL40
Maximum shutter width	4000mm
Maximum shutter height	3200mm
Maximum area (m <sup>2</sup> )	12
Number of Slats/Metre	28
Profile slat covering	40 mm
Profile slat thickness	9.7mm
Axle types	Octagonal steel
Bottom bar dimension	55mm x 8.5mm
Guide dimensions	68mm x 25mm/14mm (Heavy Duty Guide)
Paint Finish	High Quality Powder Coat Finish