



BAL-Maze®

Compliance Documentation

B&D provides proprietary BAL-Maze® Bushfire protection system for B&D Panelift Sectional door. The system is fully metal labyrinth type (see Australian Patent Application No: 2021203384). B&D's Panelift Sectional Door with B&D's BAL-Maze® Bushfire Protection System has been tested to AS 1530.8.1 2018 by the CSIRO and found to achieve a Bushfire Attack Level (BAL) of AA 40 as specified by AS3959-2018. Below is an extract from the CSIRO test report:

Performance observed in respect of Clause 14.4 of AS 1530.8.1 2018 criteria:

Performance Criteria	Time to failure (min)	Position of failure
Where a gap from the fire exposed face to the non fire exposed face of the element through which a 3 mm diameter probe can penetrate during the 60 min test period. NOTE: Penetration is defined as a straight, unimpeded path through which a straight 3 mm probe can pass through the specimen, freely and unobstructed, from the fire side to the non fire side such that the tip of the probe is visible from the non fire side.	No failure	none
Sustained flaming for 10 seconds on the non fire side	No failure	none
Flaming on the fire exposed side at the end of the 60 minutes test period	No failure	none
Radiant heat flux 365 mm from the non fire side exceeding 15 kW/m ²	No failure	none
The mean and maximum temperature rises greater than 140 K and 180 K	Not applicable (uninsulated door assembly)	none
Radiant heat flux 250 mm from the specimen, greater than 3 kW/m ² between 20 minutes and 60 minutes	No failure	none
Mean and maximum temperature of internal faces exceeding 250°C and 300°C respectively between 20 minutes and 60 minutes after the commencement of the test	No failure	none
Crib class	AA	Peak heat flux
		40 kW/m ²

For the purpose of building regulations in Australia, the specimen achieved a Bushfire Attack Level (BAL) of AA 40.

BAL-Maze®
CSIRO tested BAL-Maze® BAL-Rated Garage Door

Model No: _____ Sales Order: _____
 Date of Manufacture: _____
 Door Classification: _____
 Curtain Balance Weight: _____ kg
 BAL Classification: _____

Compliance to AS3959-2019 when installed as per B&D Installation instructions by a B&D approved dealer /installer

APPLICATION	BAL-12.5	BAL-19	BAL-29	BAL-40	BAL-FZ
Vehicle Access Garage Door	✓	✓	✓	✓	✗

Installed by: John Citizen Date: 23/02/22
 Installer ID: 1796853

P/N MS0216 www.bnd.com.au

BAL-Maze® door is only compliant with AS3959-2018 if installed by a trained installer to B&D installation instructions and signed by the installer on the compliance label attached to the door.

