



BUSHFIRE ATTACK LEVELS – BAL RATINGS

AUSTRALIAN MADE FOR AN AUSTRALIAN LIFESTYLE

Delta Panels Pty Ltd

P: +61 7 3271 2170 | E: info@deltapanel.com | W: www.deltapanel.com

Head Office: 731 Boundary Road, Richlands, Qld 4077 | +61 7 3271 2170

Sydney Depot: 11 The Old Northern Road, Narellan, NSW 2567 | +61 2 4611 7712

ABN: 11 147 861 292 | Version Date: 2025-09-05



SCI QUAL
INTERNATIONAL



SCI QUAL
INTERNATIONAL



SCI QUAL
INTERNATIONAL



BAL 12.5

BAL 19

BAL 29

BAL 40

BAL FZ

ROOF STRUCTURES



DELTA PANEL RANGE OF BAL ACCREDITED ROOF PANELS

PRODUCT	BAL - 12.5	BAL - 19	BAL - 29	BAL - 40	BAL - FZ
DeltaTrim-MW	*	*	*	*	-
DeltaTrim-TPC	****	****	****	-	-
DeltaOrb-TPC	****	****	****	-	-
DeltaSingle	*	*	*	*	*

* Non-Combustible as Deteremined by AS1530.1:2018
**** CSIRO report FSZ 2411 Dated 21-12-2023, FCO 3545 Dated 29-04-2024
Full Test Reports are published on our Web page



EXTERNAL WALL STRUCTURES



DELTA PANEL RANGE OF BAL ACCREDITED WALL PANELS

PRODUCT	BAL - 12.5	BAL - 19	BAL - 29	BAL - 40	BAL - FZ
DeltaCool-MW	*	*	**	**	**
DeltaCool-TPC	***	***	***	-	-

* Non-Combustible as Determined by AS1530.1:2018

** BRANZ FR10430-001 Fire Test Report in accordance with AS1530.2:2014 with a FRL rating of -/120/60

*** CSIRO report FSZ 2373, Dated 9-6-2023. CodeMark Certificate of Compliance CM40365

Full Test Reports are published on our Web page



THE BAL LEVELS EXPLAINED

There are six levels of Bushfire Attack Levels (BAL) as outlined in AS 3959:2018 Construction of buildings in bushfire-prone areas. They are:

(a) BAL-LOW

There is insufficient risk to warrant any specific construction requirements but there is still some risk

(b) BAL-12.5

There is a risk of ember attack

The construction elements are expected to be exposed to a heat flux not greater than **12.5 kW/m²**

(c) BAL-19

There is a risk of ember attack and burning debris ignited by wind borne embers and a likelihood of exposure to radiant heat

The construction elements are expected to be exposed to a heat flux not greater than **19 kW/m²**

(d) BAL-29

There is an increased level of ember attack and burning debris ignited by wind borne embers and a likelihood of exposure to an increased level of radiant heat

The construction elements are expected to be exposed to a heat flux not greater than **29 kW/m²**

(e) BAL-40

There is a much increased risk of ember attack and burning debris ignited by wind borne embers, a likelihood of exposure to a high level of radiant heat and some like likelihood of direct exposure to flames from the fire front.

The construction elements are expected to be exposed to a heat flux not greater than **40 kW/m²**

(f) BAL-FZ

There is an extremely high risk of ember attack and burning debris ignited by wind borne embers, a likelihood of exposure to a high level of radiant heat and some like likelihood of direct exposure to flames from the fire front. The construction elements are expected to be exposed to a heat flux not greater than **40 kW/m²**

