




# BUSHFIRE RESISTANT DOORS & FRAMES BAL (BUSHFIRE ATTACK LEVEL)



Hume Doors & Timber has extensively tested our comprehensive range of doors and door frame systems to meet the AS1530.8.1 criteria set for buildings in Bushfire Attack Level (BAL) zoned areas. All our BAL tests are conducted in Australia by an independent third party fire testing consultancy firm.

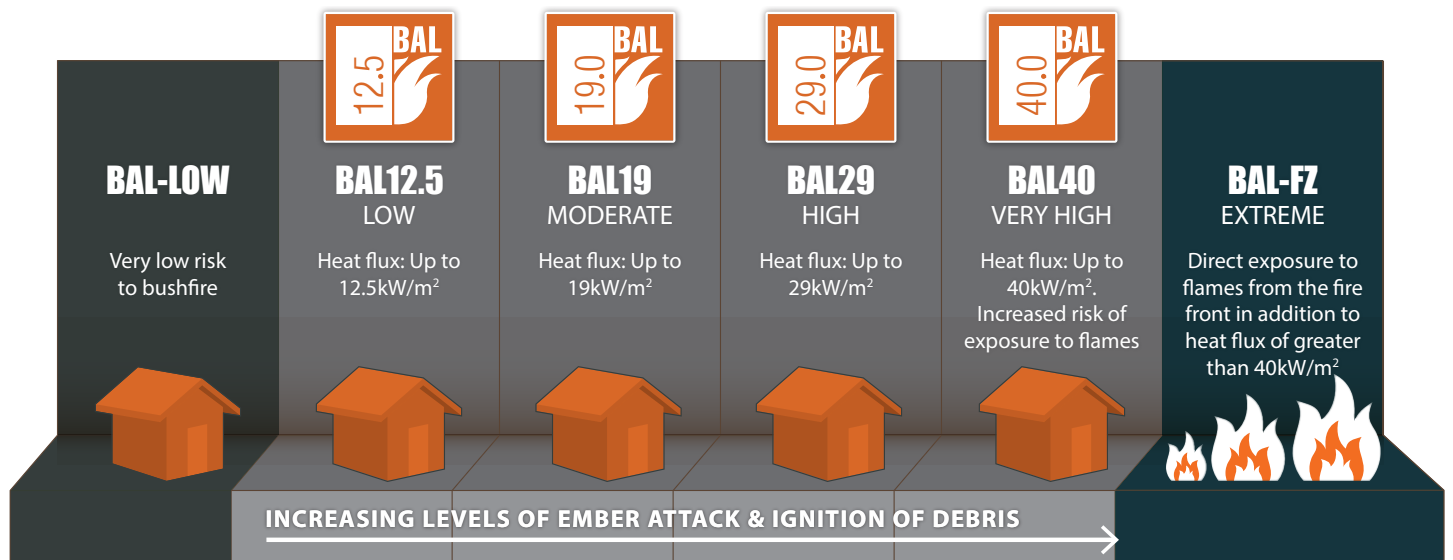
Doors must be installed as per AS3959 to conform to BAL compliance. Refer to our website for further information: [www.humedoors.com.au](http://www.humedoors.com.au)

## Specifications

	12.5
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- Look out for our BAL Ratings in the specifications tables for each range

Bushfire Attack Level (BAL) is measured in increments of radiant heat, this is expressed in kilowatts/m<sup>2</sup> which defines your BAL Rating requirement. Diagram below shows the BAL ratings along with the radiant heat flux for each zone.



# BUSHFIRE RESISTANT DOORS & FRAMES BAL 12.5 DOORS & FRAMES



## Entrance Range (pages 6-19)

The complete range of Entrance doors are BAL12.5 compliant.

NOTE: Illusion Range

- BAL12.5 is only available for doors glazed with Clear Laminate, Grey Laminate and Translucent.

NOTE: Glass Opening Range

- BAL12.5 is only available for 40mm thick and solid construction



## Pivot Frames (page 22)

- Meranti Pivot System Only.
- Tested to AS1530.8.1 when supplied as a complete unit (door & frame).
- BAL12.5 compliant when installed as per AS3959.

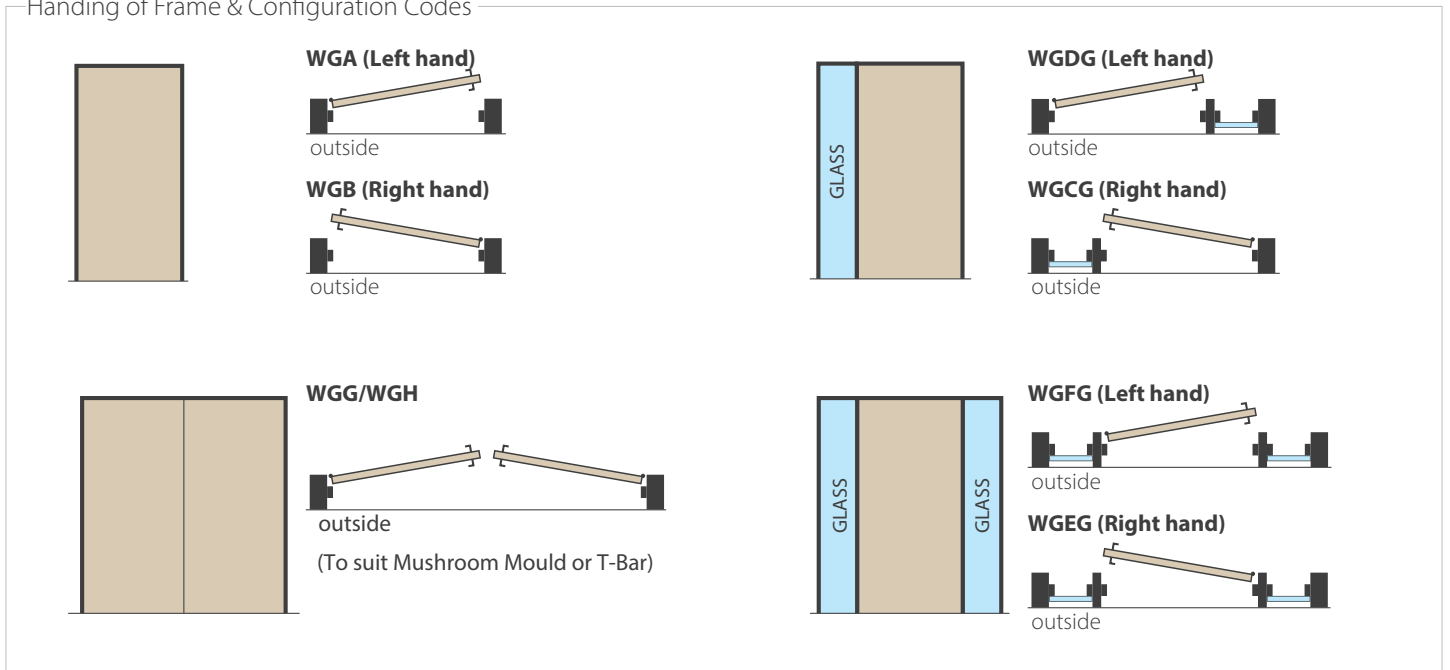


## Weatherguard Entry Frames (page 21)

- Meranti Weatherguard Frames Only.
- Tested to AS1530.8.1 when supplied as a complete unit (door & frame).
- BAL12.5 compliant when installed as per AS3959.



## Handing of Frame & Configuration Codes



DESIGN CODE	Unit Size (+/- 5mm)	Frame Suits (Door not included)	Frame Depth & Thickness	Merbau Assembled	6mm Frost Glass Additional
<b>BAL 19 &amp; 29 MERBAU</b> WGA (LEFT) / WGB (RIGHT)	2110x885	1 x Door(2040x820)	140x40	1278	
	2410x1267	1 x Door(2340x1200)	140x40	1998	
<b>BAL 19 &amp; 29 MERBAU</b> WGDG (LEFT) / WGCG (RIGHT)	2110x1315	1 x Door(2040x820) 1 x Glass sidelite 6mm Toughened Clear	140x40	2775	162
	2410x1315	1 x Door(2340x820) 1 x Glass sidelite 6mm Toughened Clear	140x40	3119	189
<b>BAL 19 &amp; 29 MERBAU</b> WGFG (LEFT) / WGEG (RIGHT)	2110x1745	1 x Door(2040x820) 2 x Sidelite(2040x400)	140x40	3387	
	2410x1745	1 x Door(2340x820) 2 x Sidelite(2340x400)	140x40	3732	
<b>BAL 19 &amp; 29 MERBAU</b> WGH/WGG (NON REBATED)	2110x1716	2 x Door(2040x820) 1 x Mushroom Stop/T-Bar	140x40	1863	
	2410x1716	2 x Door(2340x820) 1 x Mushroom Stop/T-Bar	140x40	2206	

- We recommend ordering Door & Frame together to ensure compliance with BAL.
- TIMBER: Hardwood Jamb and head compliant with BAL19 & 29 as per AS3959.
- FRAMES: Frames are fitted with an intumescent fire & smoke perimeter seal compliant to BAL19 & 29, the seal is removable for painting and is easily reinstalled.
- GLASS: Complies with AS3959 - 6mm Toughened glass required, if glass portions are open-able or are within 400mm of the ground they must be screened with a BAL approved screen (screens not included)
- BAL19 & 29 Merbau Weatherguard entrance frames are suited for bushfire zones BAL12.5, 19, 29 when installed as per AS3959.
- WGG/WGDG & WGEG/WGFG frames are glazed using 6mm toughened glass and must be screened with a BAL compliant screen as per AS3959

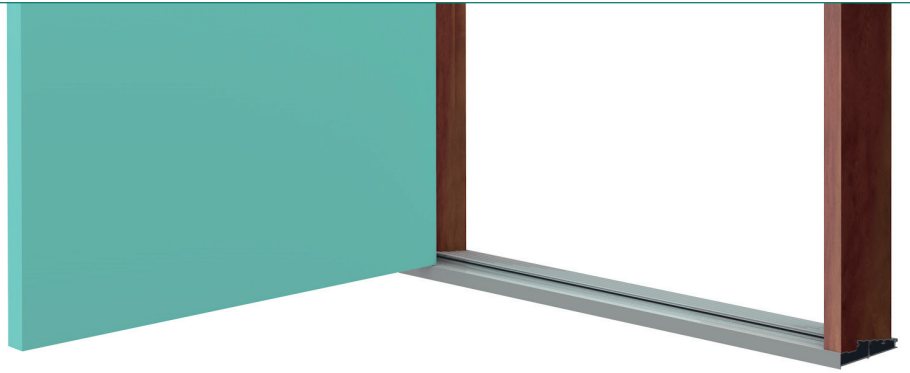
## Specifications

	Rw:31	STC:31
	BAL12.5, 19 & 29	



## BUSHFIRE RESISTANT DOORS & FRAMES

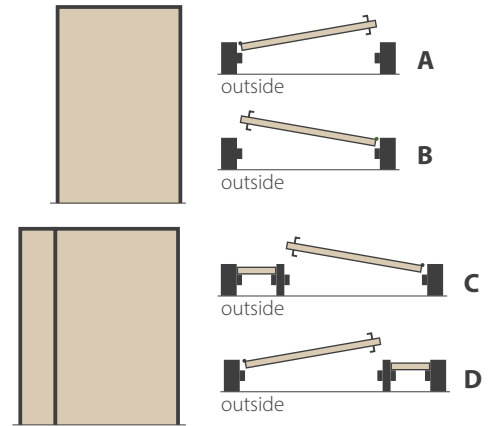
# BAL40 MERBAU WEATHERGUARD FRAMES



DESIGN CODE	Unit Size (+/- 5mm)	Frame Suits (Door not included)	Frame Depth & Thickness	Merbau Assembled
BAL40 MERBAU WGA/WGB	2110x887	1 x Door(2040x820)	140x40	1444
	2110x887	1 x Door(2040x820)	160x40	1606
	2410x1267	1 x Door(2340x1200)	140x40	2162
	2410x1267	1 x Door(2340x1200)	160x40	2325
BAL40 MERBAU WGC/WGD	2110x1317	1 x Door(2040x820) 1 x Sidelite(2040x400)	140x40	2417
	2110x1317	1 x Door(2040x820) 1 x Sidelite(2040x400)	160x40	2581
	2410x1317	1 x Door(2340x820) 1 x Sidelite(2340x400)	140x40	2763
	2410x1317	1 x Door(2340x820) 1 x Sidelite(2340x400)	160x40	2926

- Frames supplied with a minimum 4 x 100mm butt hinges as tested to AS1530.8.1 and compliant to BAL40
- Hardwood Jambes and head compliant with BAL40 and tested to AS1530.8.1
- Door & Frame must be supplied together to comply to BAL40 as tested to AS1530.8.1

### Handing of Frame & Configuration Codes



### Specifications

	Rw:31	STC:31
	BAL40	



## BUSHFIRE RESISTANT DOORS & FRAMES

# BAL ADDITIONAL EXTRAS

- These additional extras must be applied to the door/frame price.

Additional Extras				
Frame width upgrade for door over 820 wide up to 870 wide or sidelite over 400 wide		P.O.A.		per frame
Frame width upgrade for door over 870 wide up to 1200 wide (4 hinges) standard frame		P.O.A.		per frame
Frame height upgrade for special height doors		P.O.A.		per frame
Aluminium T-Bar 2400mm high 1.8mm thick including seals	To suit BAL12.5, 19 & 29 ONLY	\$109		each
Mushroom Stop 2100mm Length Merbau	To suit BAL12.5, 19 & 29 ONLY	\$169		each
Mushroom Stop 2400mm Length Merbau	To suit BAL12.5, 19 & 29 ONLY	\$192		each
Hinge 100mm		\$21		each
BAL Weatherguard Frame Sill Protector		\$73		per frame
Shrink wrap frame for additional protection		\$68		per frame

