

BLOCKADE BARRIERS

ACOUSTIC FIRE DOOR

DATA SHEET

Compliance	Fire Resistance Level				- /60/30 - /120/30 - /240/30					AS 1530.4:2014 AS 1905.1:2015									
	Acoustic Protection				Up to Rw43					AS 1191-2002 AS/NZS ISO 717-1(2004)									
	Optional Capabilities																		
	Blast Protection				Bespoke solution to the required level					Certified to multiple international standards									
	Ballistic Protection				Up to Class R2					AS 2343:1997									
	Security Protection				Bespoke solution to the required level					Certified to multiple international standards									
Door Dimensions		Any size up to 5m high, 6.8m wide.																	
Fire Bolts		Fire Bolts are not required for all doors up to 3m high and 2.71m wide.																	
Door Thickness		50mm thickness																	
Door Leaf Structure		Pressed metal capping with 9.5mm Durasteel sheets (fibre-reinforced cement core, 0.5mm perforated galvanised steel) with 2mm face sheets. Fire-resistant materials, reinforced for heavy-duty hardware, fully weatherproof.																	
Acoustic Seals		Acoustic perimeter and drop seals to the door frame and door leaves																	
Pre-Hung Assembly		The door leaf, frame, hinges, and hardware are pre-assembled and factory-adjusted.																	
Frame Design		Pressed Metal 150mm x 90mm unequal-angle design, made from 8.0mm thick steel.																	
Hinges		Full-length, heavy-duty piano hinges and extended hinges are available.																	
Structural Wall Thickness		Any thickness																	
Furniture & Hardware		Factory-fitted hardware includes Australian-compliant door closers, panic bars, barrel locks, and handles. Client-specified hardware alternatives are available.																	
Colour/Finish		Dulux standard paint or powder coating from the Dulux Duralloy Solid Colour Range.																	
Acoustic Performance		Rw (C; Ctr) = 43 (-1; -2) dB STC = 43																	
FREQ Hz		100	125	160	200	250	315	400	500	630	800	1K	1.25K	1.6K	2K	2.5K	3.1K	4K	5K
1/3 Octave Sound Transmission Loss (dB)		28.3	32.6	34.9	37.9	38.9	39.8	39	38.7	40.4	42.4	43.7	44.6	44.8	42.9	44.1	43.7	45	46.2
Whole Octave Sound Transmission Loss (dB)		31.1			38.8			39.3			43.5			43.9			44.8		