



Thermal performance of a THERMOMASS precast concrete wall

Material	R-value (m ² K/W)	(Reference)
Outdoor air film (3 m/s)	0.04	BCA vol.1, spec.J1.2, table 2b, option 4
External concrete, 60mm (2400kg/m ³)	0.042	BCA vol.1, spec.J1.2, table 2a, option 4(h)
XPS (extruded polystyrene), 50mm	2.00	test certificate
Internal concrete, 150mm (2400kg/m ³)	0.104	BCA vol.1, spec.J1.2, table 2a, option 4(h)
Indoor air film (still air)	0.12	BCA vol.1, spec.J1.2, table 2b, option 3
TOTAL R-value:	<u>2.306</u>	meets/exceeds Climate zone 4/5/6/7, table J1.5a option (a)

The values used above are in accordance with AS/NZS 4859.1 and comply with the BCA 2010, Volume 1, Section J (Deemed-To-Satisfy).