

2020 WERS Certified Products Directory - AFRC



NOTES

1. These results are not for public reference can only be used by financial WERS members only.
2. The use of these results requires manufacture validation through the AWA Accreditation Scheme.
3. U_w is the whole window U-value
4. SHGC_w is the whole window solar heat gain coefficient
5. T_{vw} is the whole window visible (light) transmittance
6. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
7. A negative percentage improvement figure indicates performance worse than the base-case window
8. A positive percentage improvement figure indicates performance better than the base-case window
9. Maximum air infiltration is 5.0L/s.m² at a positive pressure difference of 75 Pa as measured according to AS 2047
10. Static performance (U_w SHGC_w T_{vw} T_{dw}) calculated using Window 7.4 and Therm 7.4 software (LBNL), 1999-2016
11. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
12. Results disclosed at Australian Fenestration Rating Council (AFRC) regulations.
13. Products performance is based on products excluding reveals unless "with In-Line Reveal" is included in the product description.
14. Results marked as "with In-Line Reveal" can only be (claimed/used/certified/used for marketing and compliance) when designed, tested, sold, installed and warranted with the reveal in situ. Products that do not include the reveal must revert to the performance excluding the in-line reveal. Please contact the window manufacturer or WERS for further details.

Magnetite Australia									
Window ID	Glazing	Cooling Stars	Heating Stars	Cool%	Heat%	U_w	SHGC	T_{vw}	AI.
Aluminium Frame									
MAG-003-07	3R20S/68/4.5MagAcrl	★★★★★☆☆	★★★★☆☆	71%	33%	2.9	0.19	0.20	0.5
MAG-003-08	3NS18/68/4.5MagAcrl	★★★★★☆☆	★★★★☆☆	64%	39%	2.9	0.29	0.13	0.5
MAG-003-10	3Clr/68/4.5MagAcrl	★★★☆☆	★★★★☆☆	35%	59%	2.9	0.67	0.73	0.5
MAG-003-23	3ELEP35/40/4.5MagAcrl	★★★★★☆☆	★★★★☆☆	73%	40%	2.3	0.20	0.28	0.5
Timber Frame									
MAG-005-07	3R20S/68/4.5MagAcrl	★★★★★☆☆	★★★★★	73%	38%	2.4	0.19	0.20	0.5
MAG-005-08	3NS18/68/4.5MagAcrl	★★★★★☆☆	★★★★☆☆	67%	43%	2.5	0.28	0.13	0.5
MAG-005-10	3Clr/68/4.5MagAcrl	★★★☆☆	★★★★☆☆	38%	62%	2.5	0.66	0.71	0.5
MAG-005-23	3ELEP35/40/4.5MagAcrl	★★★★★☆☆	★★★★☆☆	76%	45%	1.8	0.20	0.28	0.5